VOLUME LV
NUMBER THREE

THE NATIONAL GEOGRAPHIC MAGAZINE

MARCH, 1929

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PUBLISHED BY THE
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HUBBARD MEMORIAL HALL
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TO carry out the purposes for which it was founded forty-one years ago the National Geographic Society publishes this Magazine. All receipts are invested in the Magazine itself or expended directly to promote geographic knowledge.

ARTICLES and photographs are desired. For material which the Magazine can use, generous remuneration is made. Contributions should be accompanied by addressed return envelope and postage.

IMMEDIATELY after the terrific eruption of the world's largest crater, Mt. Katmai, in Alaska, a National Geographic Society expedition was sent to make observations of this remarkable phenomenon. Four expeditions have followed and the extraordinary scientific data resulting given to the world. In this vicinity an eighth wonder of the world was discovered and explored—"The Valley of Ten Thousand Smokes," a vast area of steaming, spouting fissures. As a result of The Society's discoveries this area has been created a National Monument by proclamation of the President of the United States.

AT an expense of over $50,000 The Society sent a notable series of expeditions into Peru to investigate the traces of the Inca race. Their discoveries form a large share of our knowledge of a civilization waning when Pizarro first set foot in Peru.

THE Society also had the honor of subscribing a substantial sum to the expedition of Admiral Peary, who discovered the North Pole, and has contributed $25,000 to Commander Byrd's Antarctic Expedition.

NOT long ago The Society granted $25,000, and in addition $75,000 was given by individual members to the Government when the congressional appropriation for the purpose was insufficient, and the finest of the giant sequoia trees of California were thereby saved for the American people.

THE Society has conducted extensive excavations at Pueblo Bonito, New Mexico, where prehistoric peoples lived in vast communal dwellings before the days of Columbus; it is sponsoring an ornithological survey of Venezuela, and is maintaining an important photographic and botanical expedition in Yunnan Province, China.

TO further the study of solar radiation in relation to long range weather forecastings, The Society has appropriated $60,000 to enable the Smithsonian Institution to establish a station for four years on Mt. Brukkaros, in Southwest Africa.

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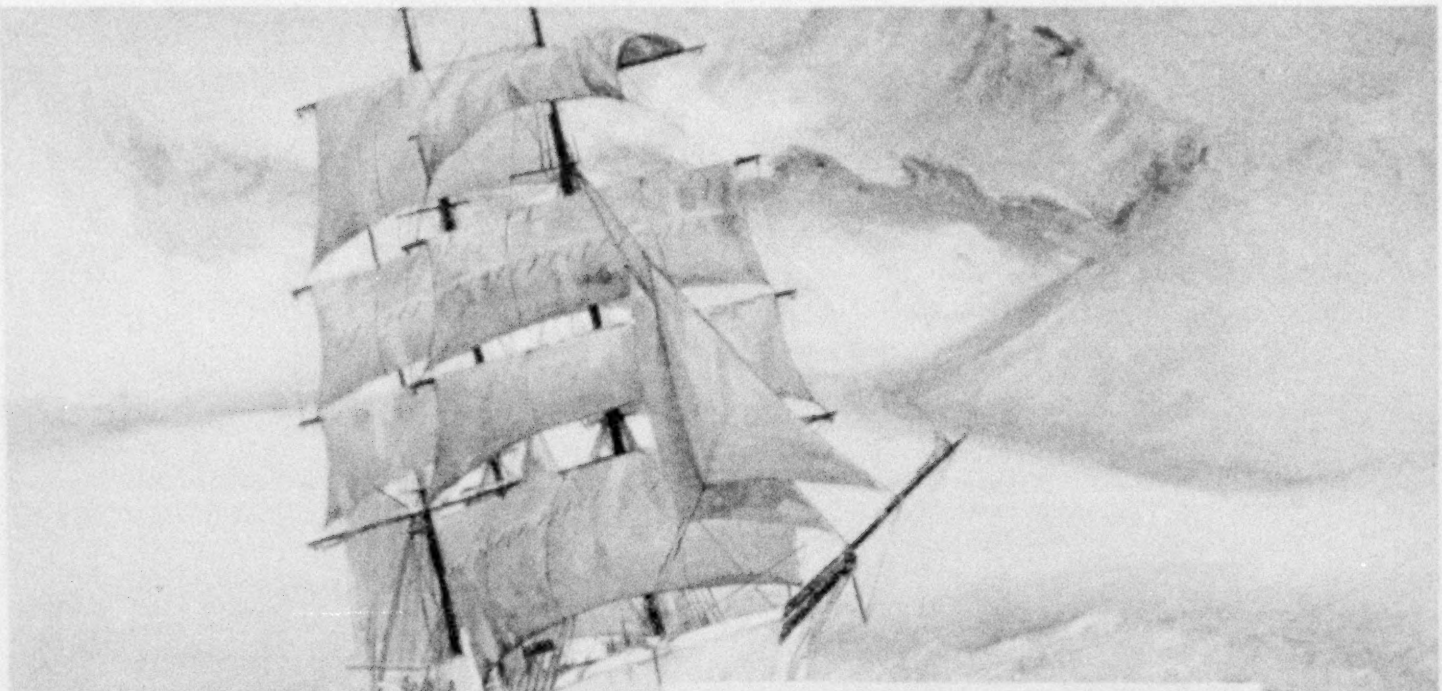
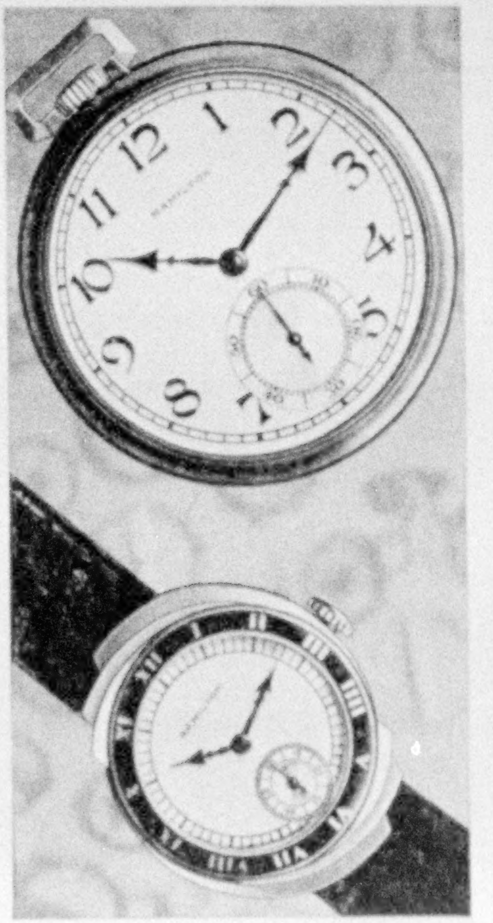
With BYRD

at the bottom of the world





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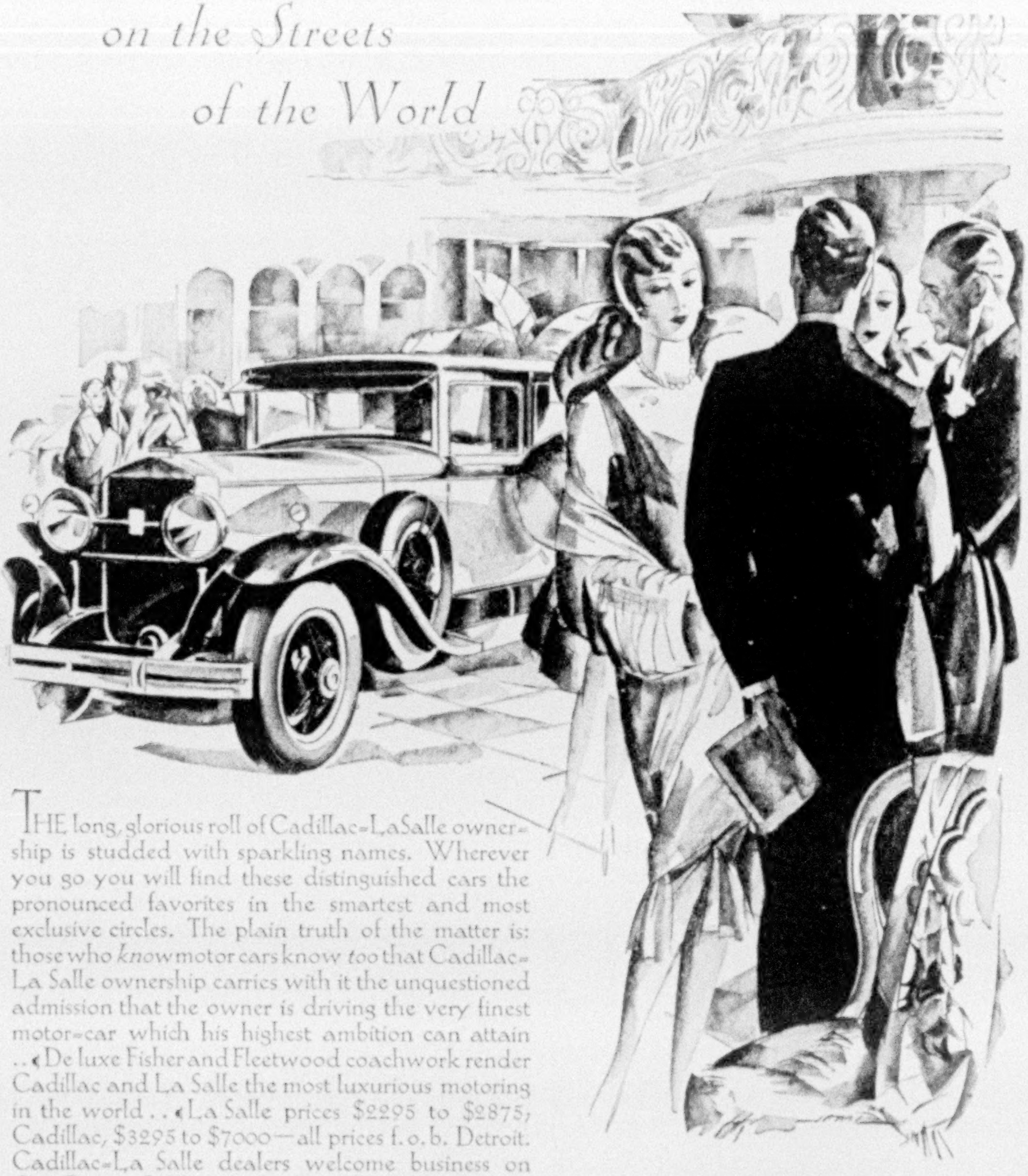

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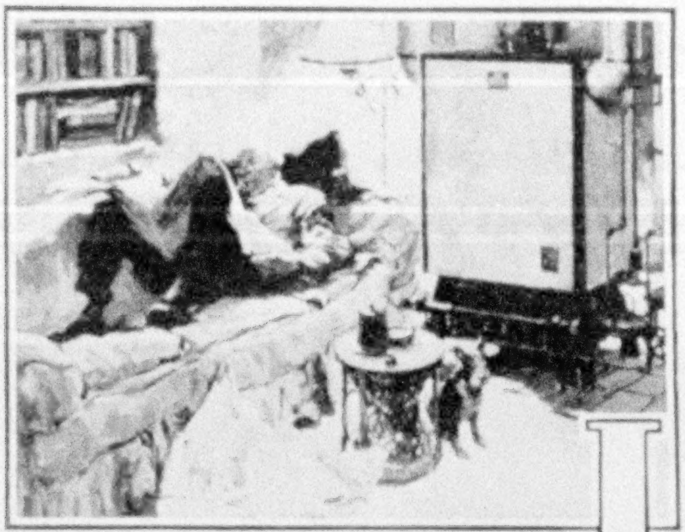

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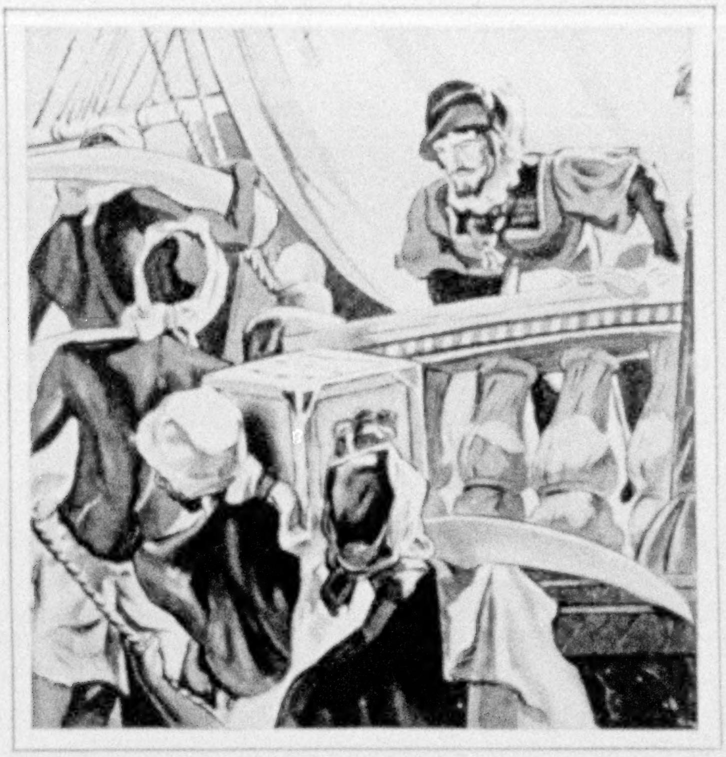

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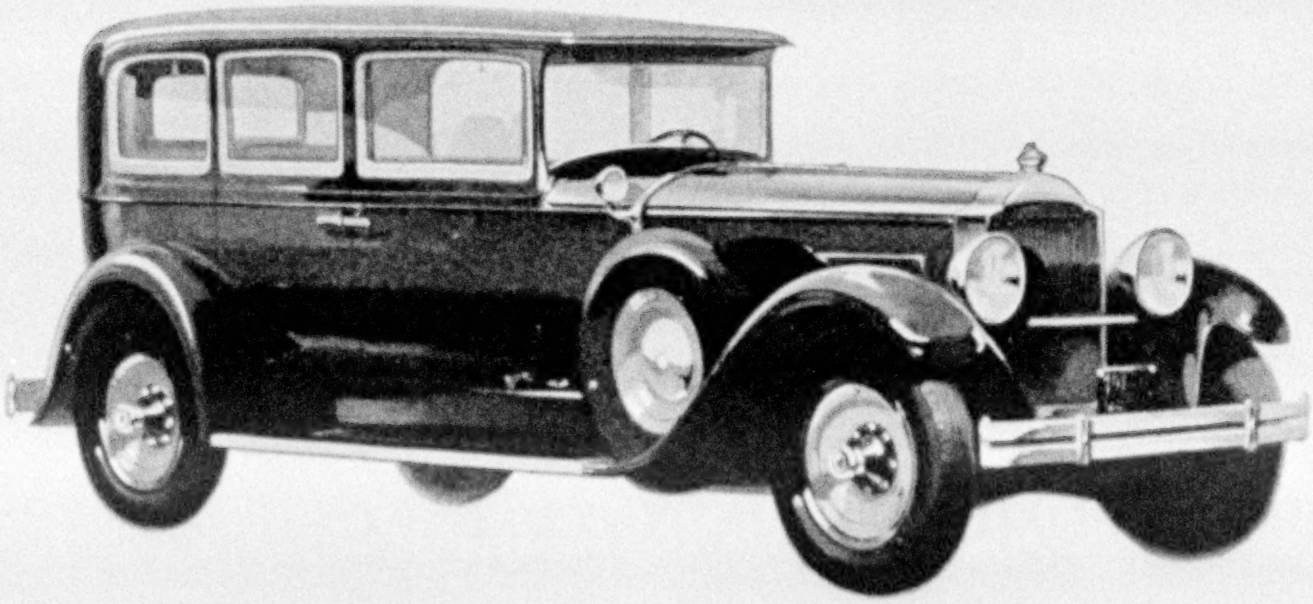

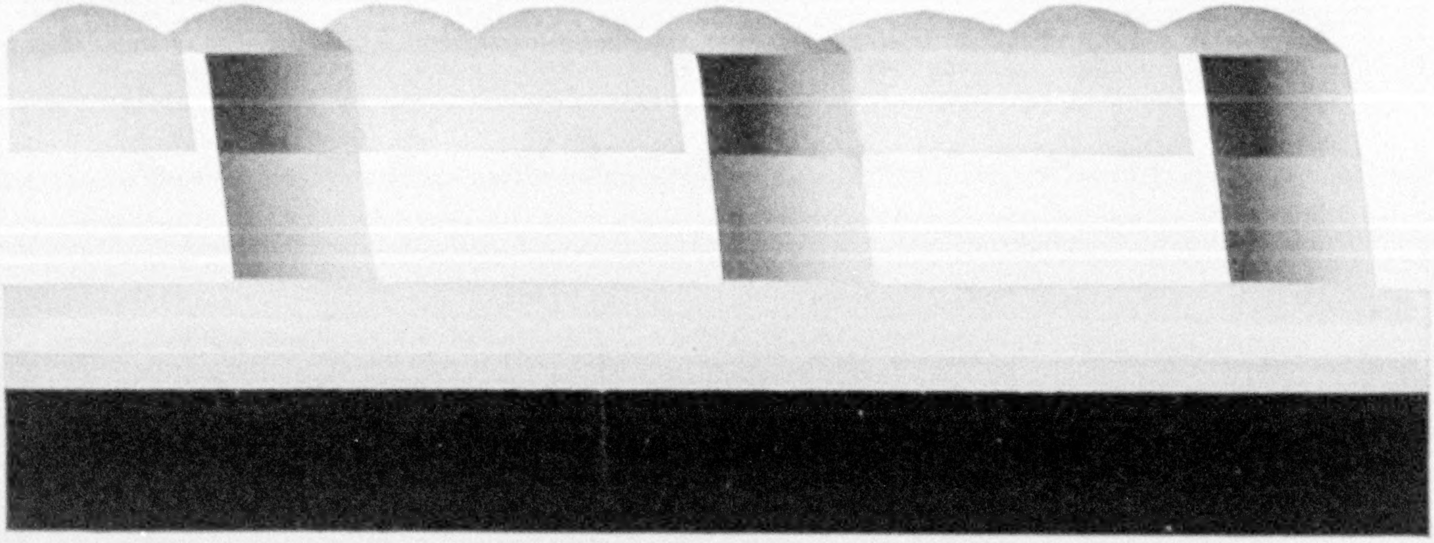

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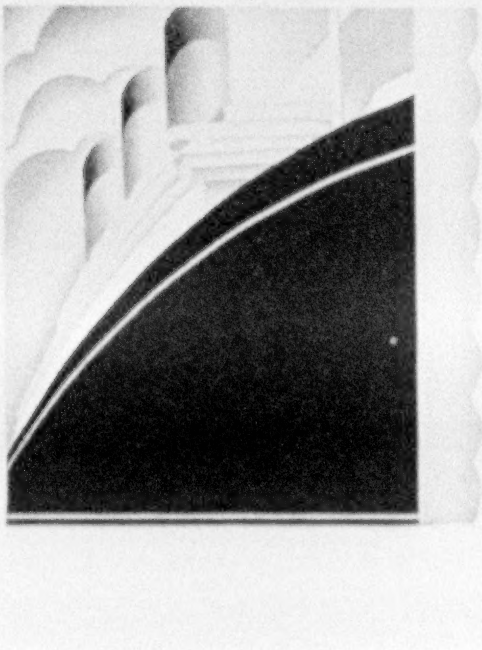

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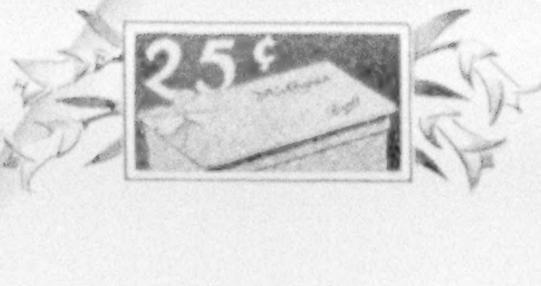

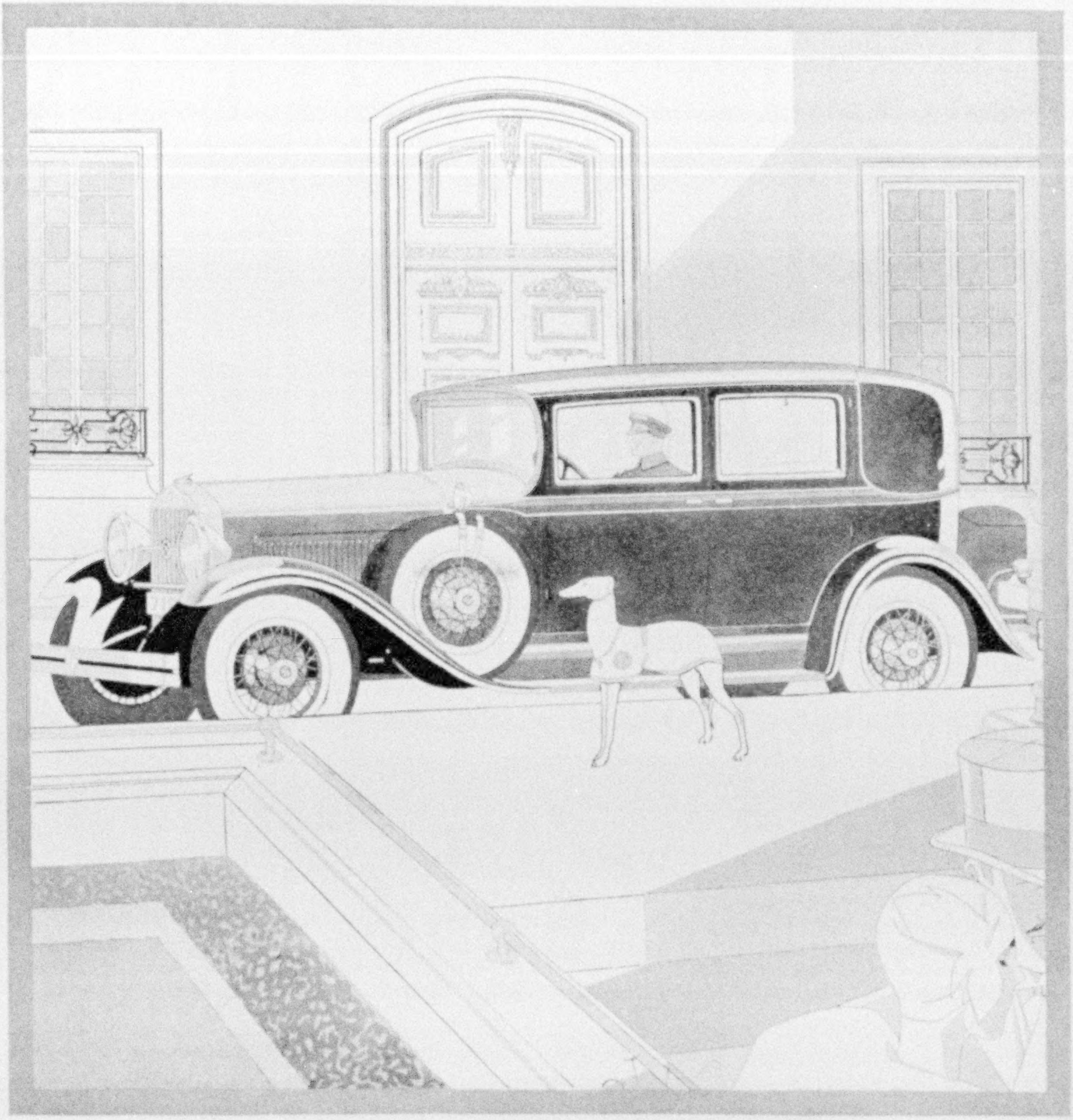

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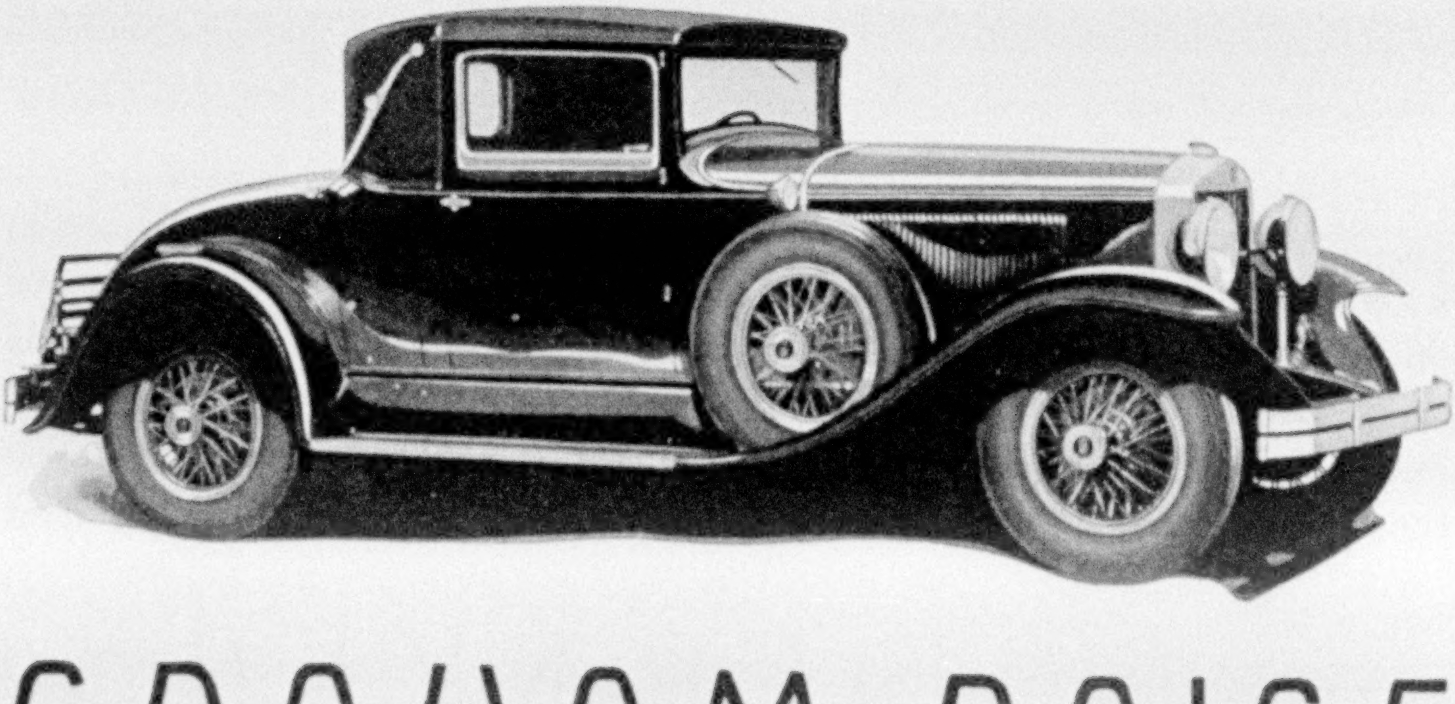

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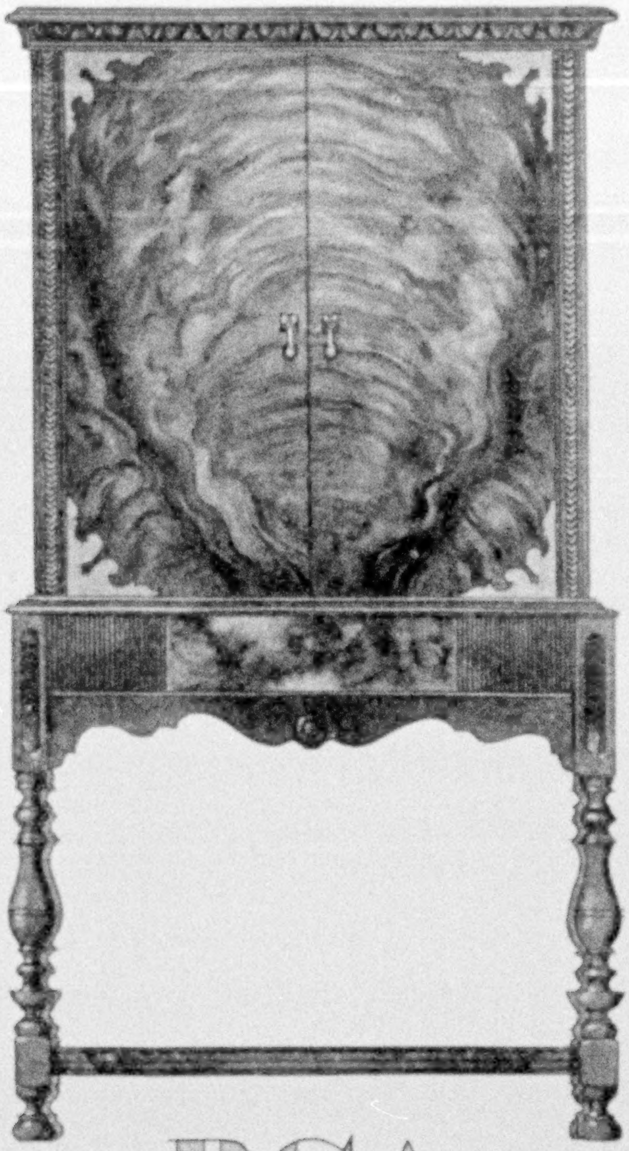

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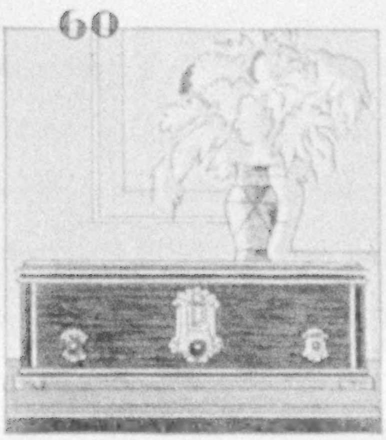

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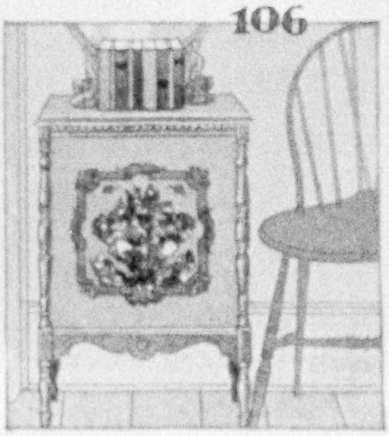

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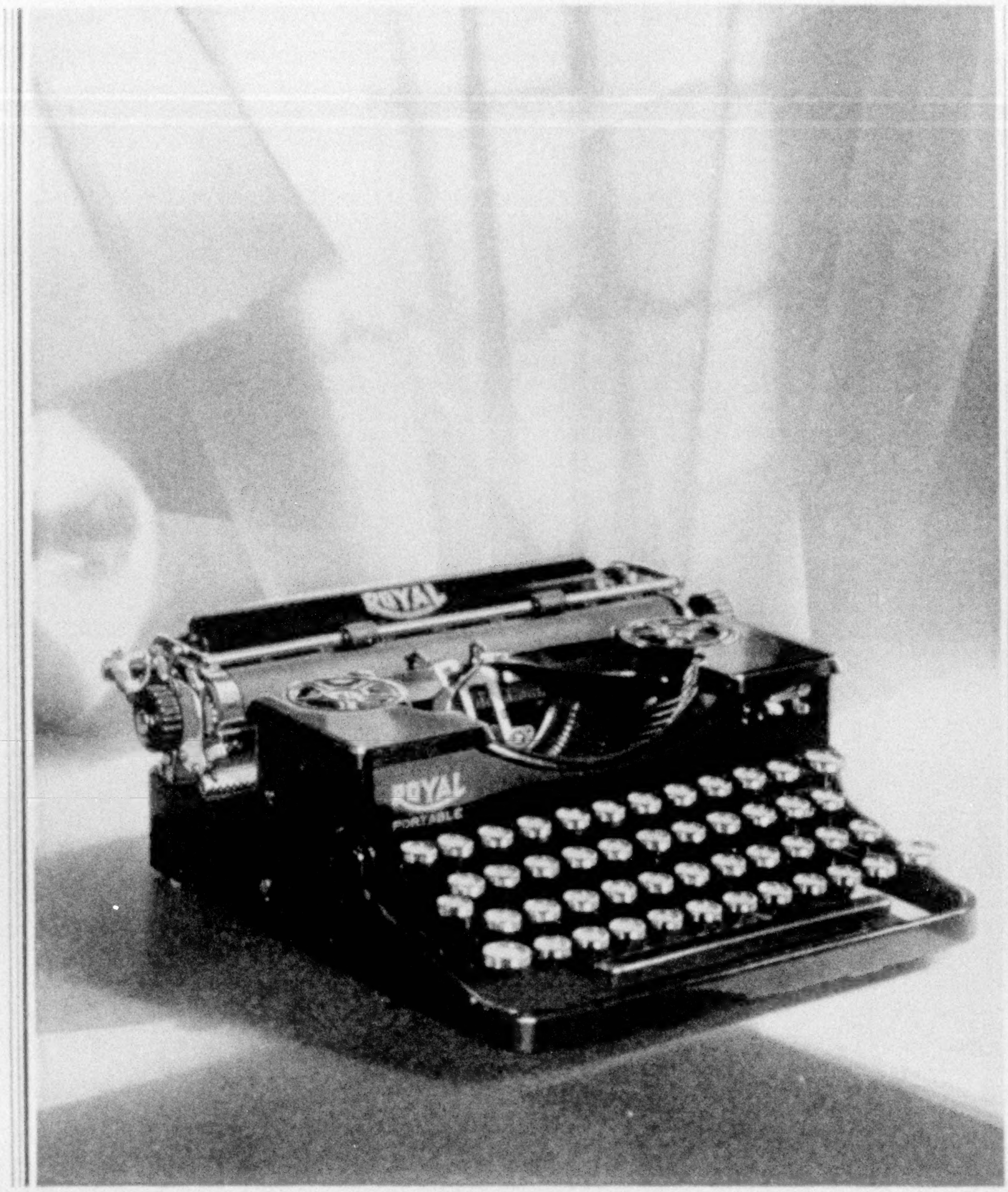

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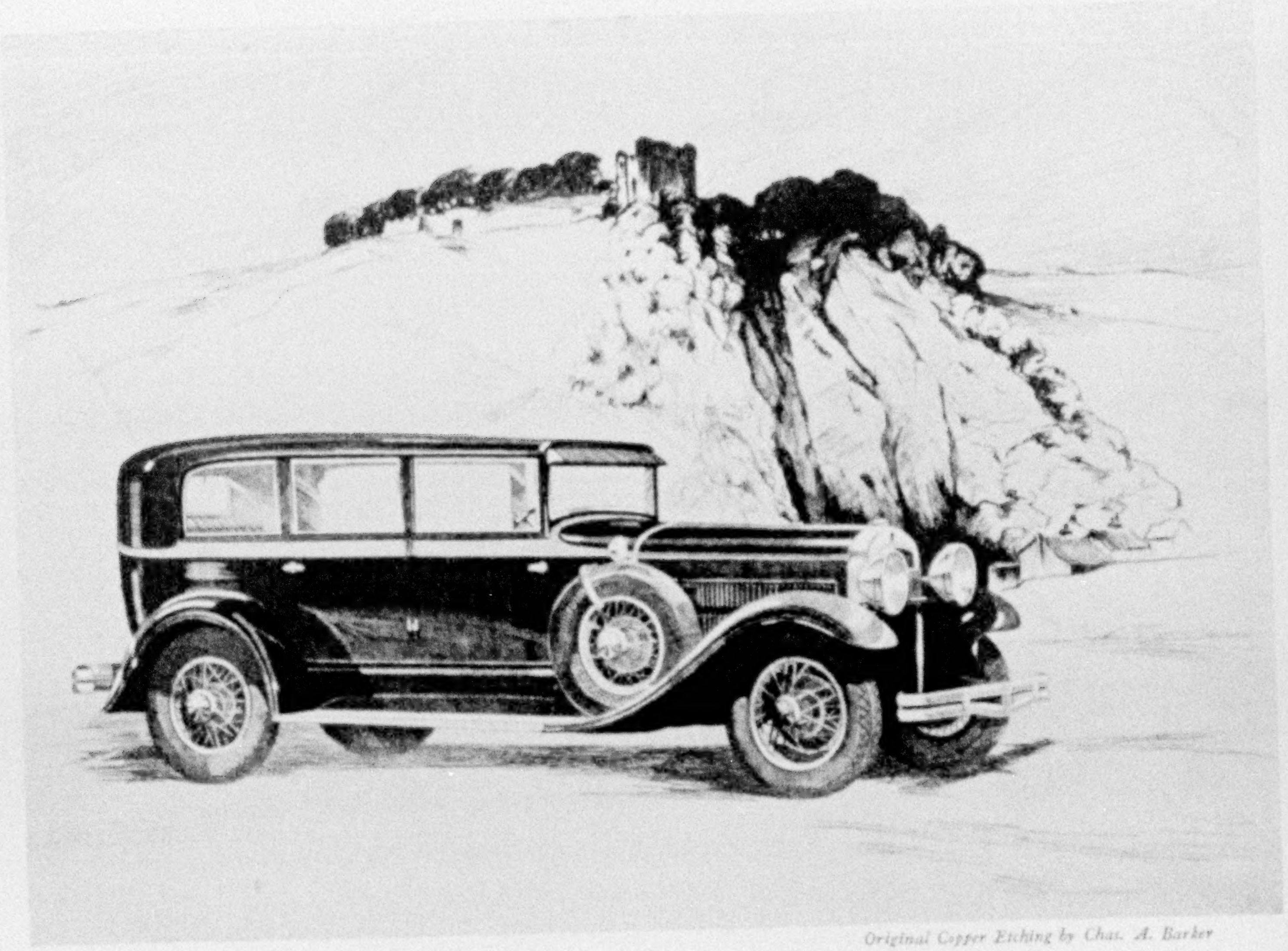

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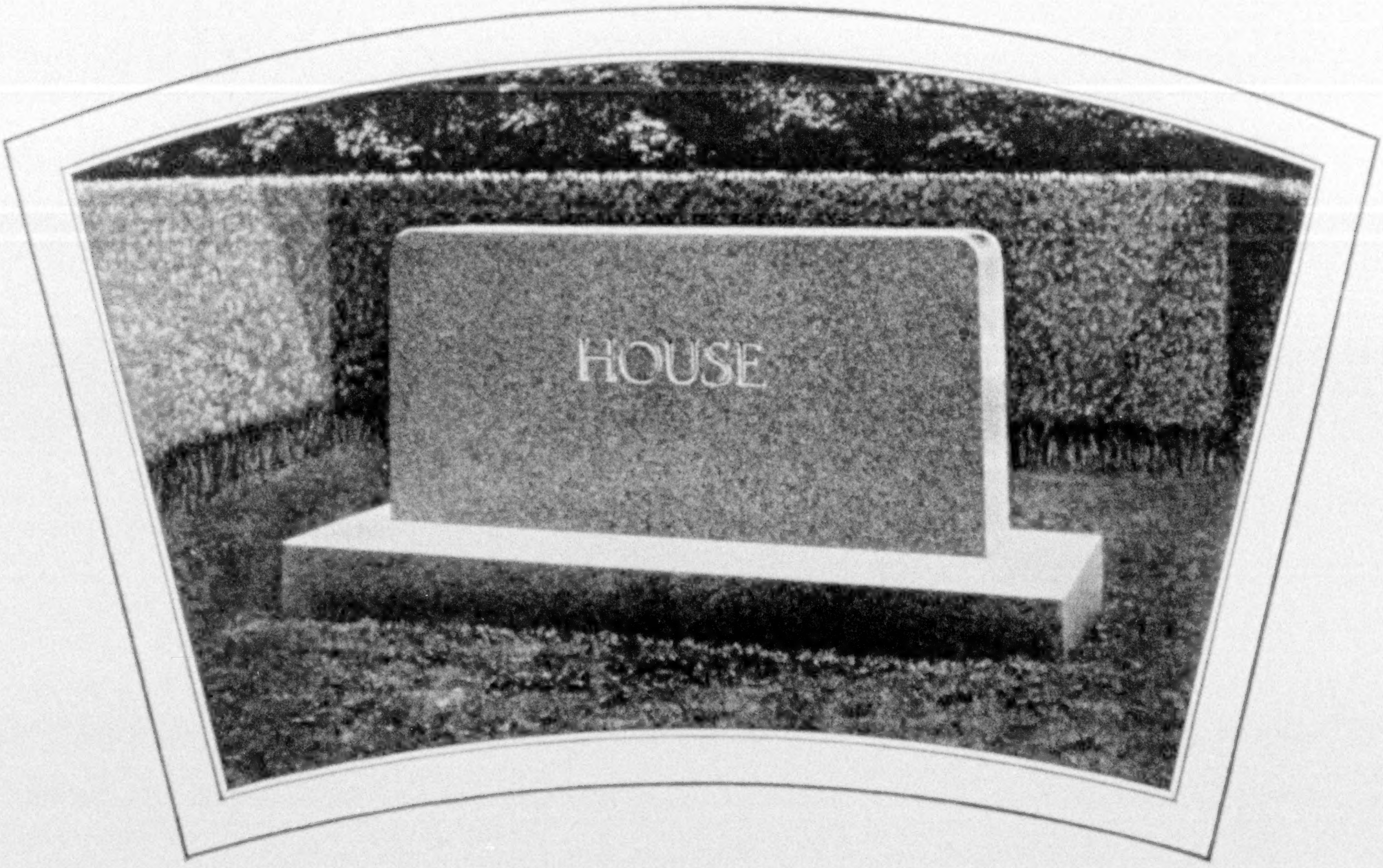

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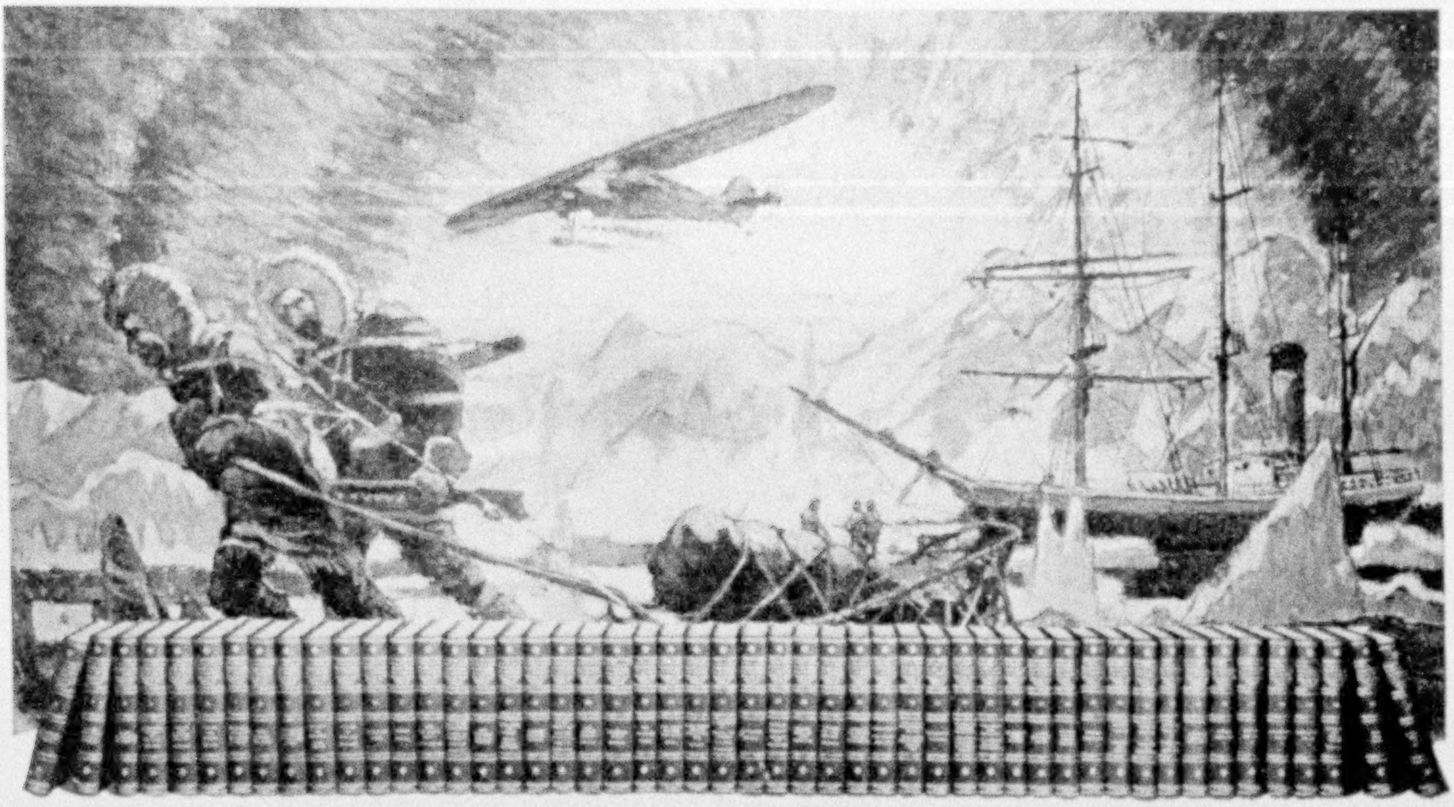

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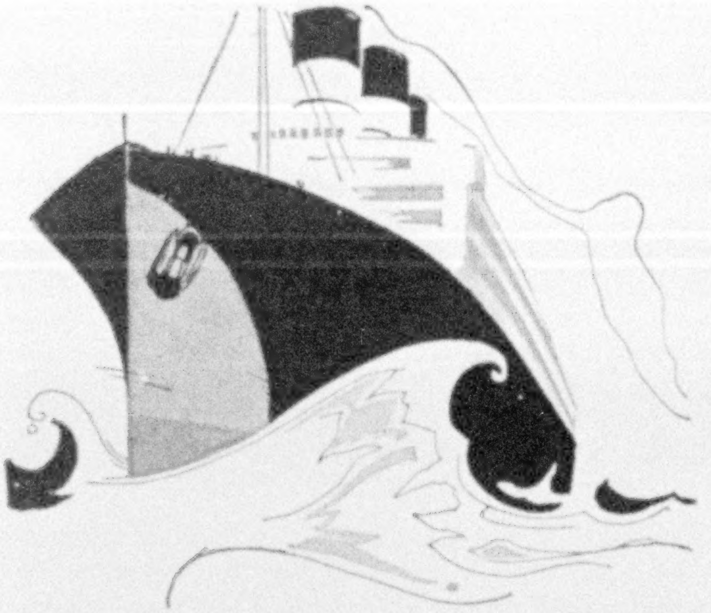

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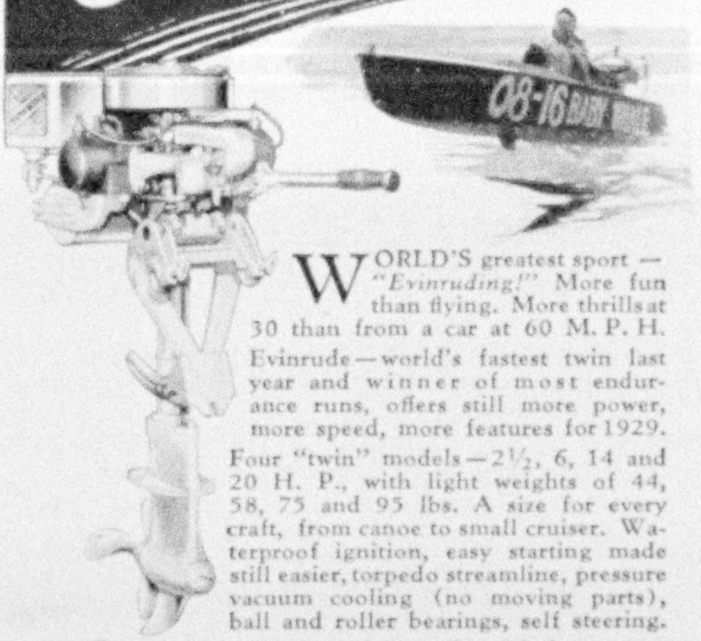

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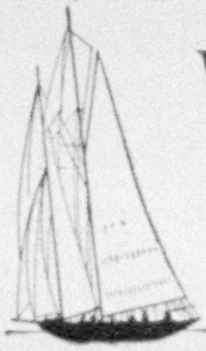

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Helen G. Bell

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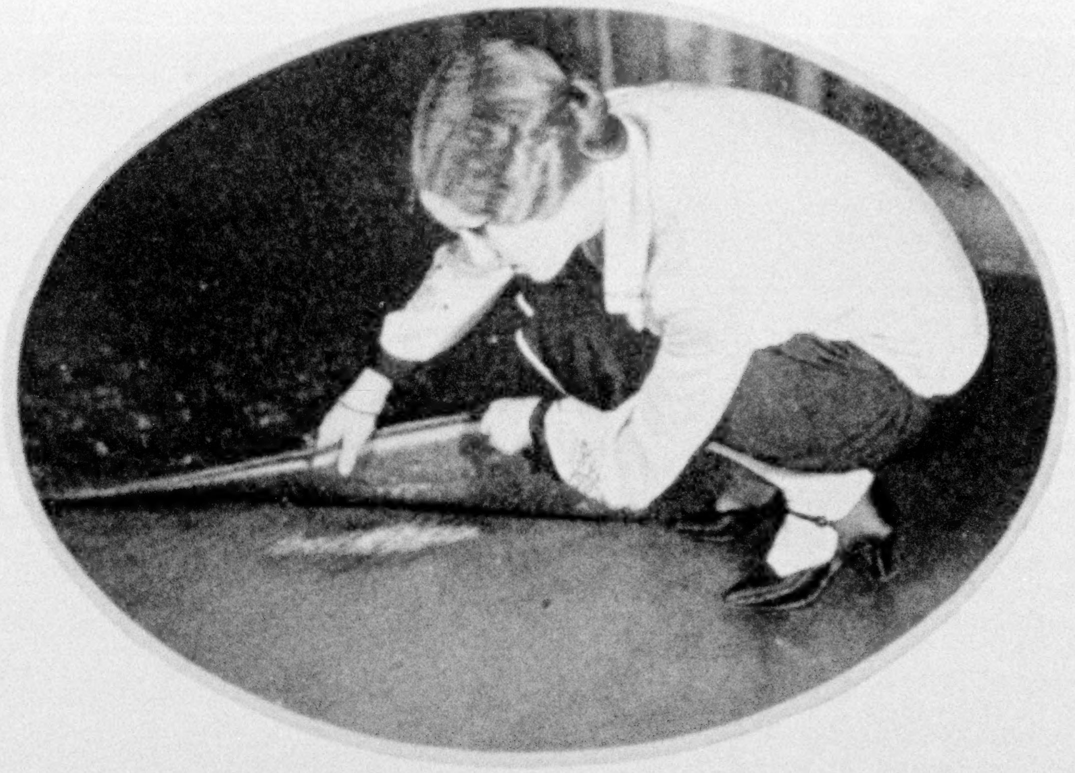

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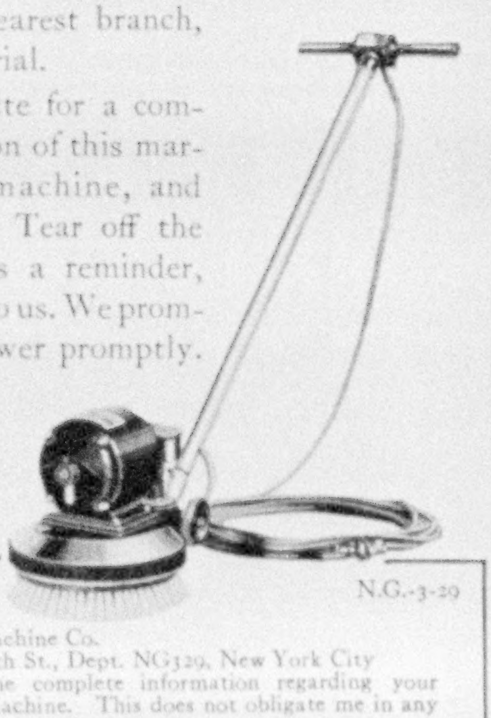

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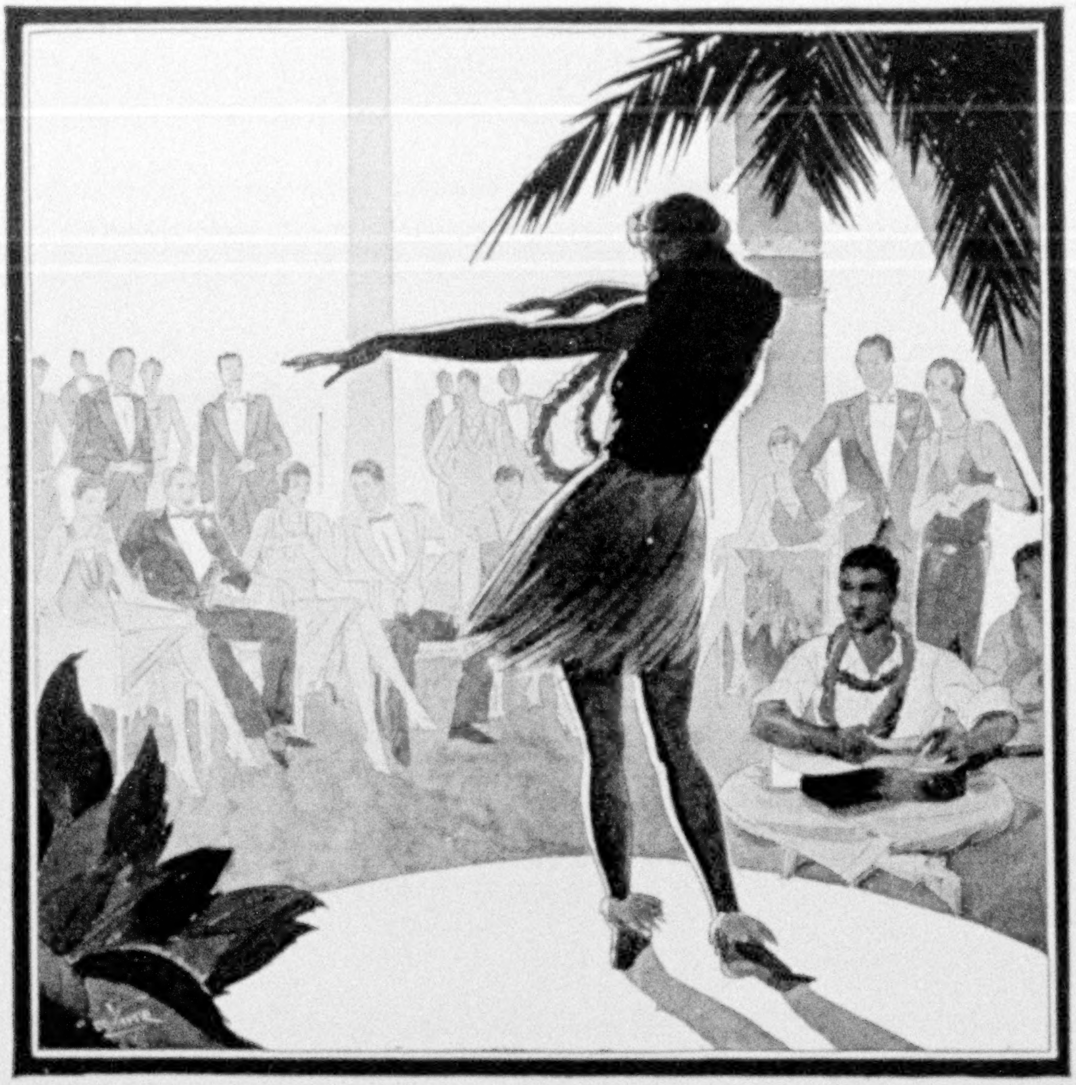

SOCIETY PLAYS *where Old Hawaiian Kings held court*

THEY roved from beach to coral beach at the royal whim. Sailed in their outrigger canoes in a pagan pageant from the Island of Gardens to the Island Where the Snow Meets the Sky. A simple palace here, in a coco-nut grove of unimaginable beauty and stillness. Another yonder, where one could lie and watch silver flying fish skimming a sea as colorful as the cool depths of an opal.

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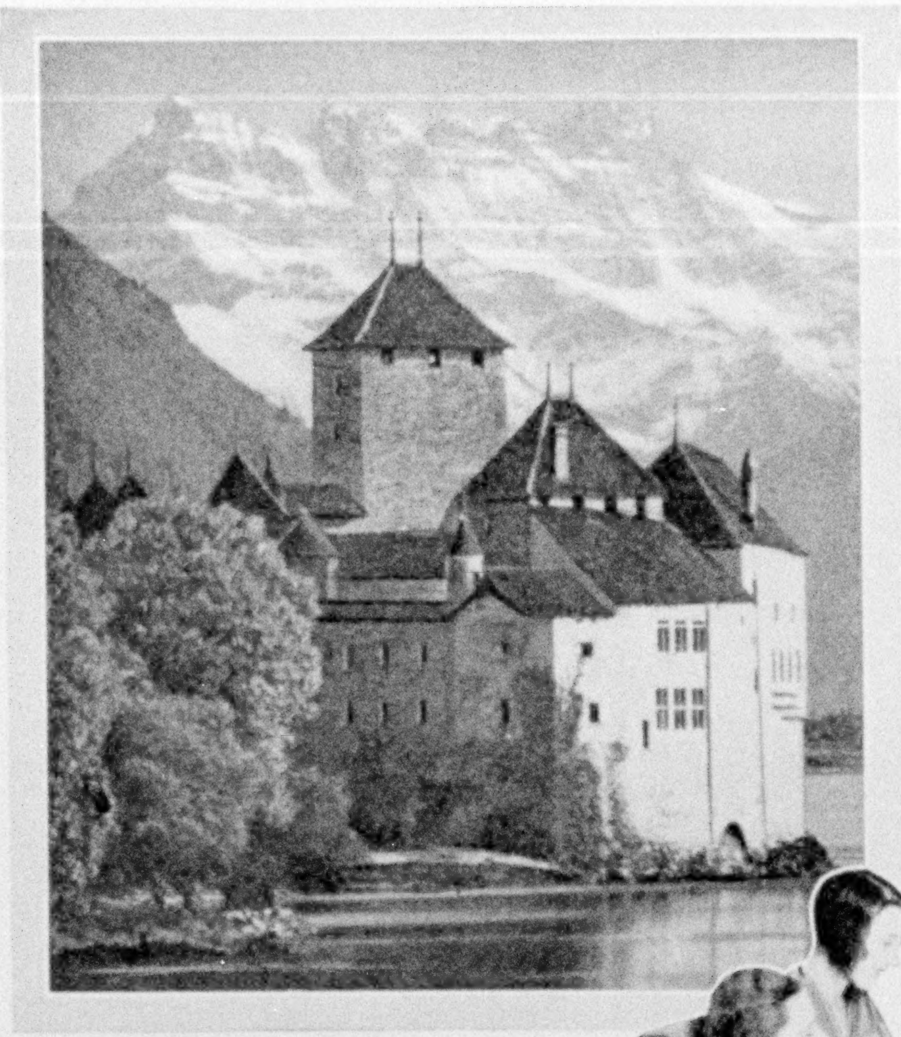

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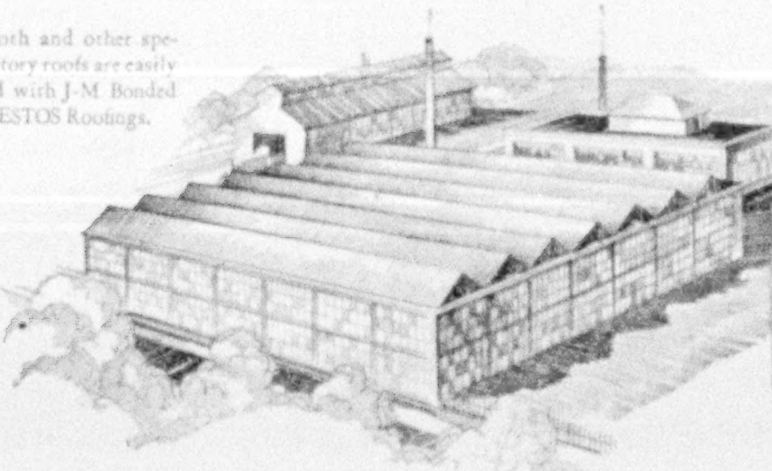

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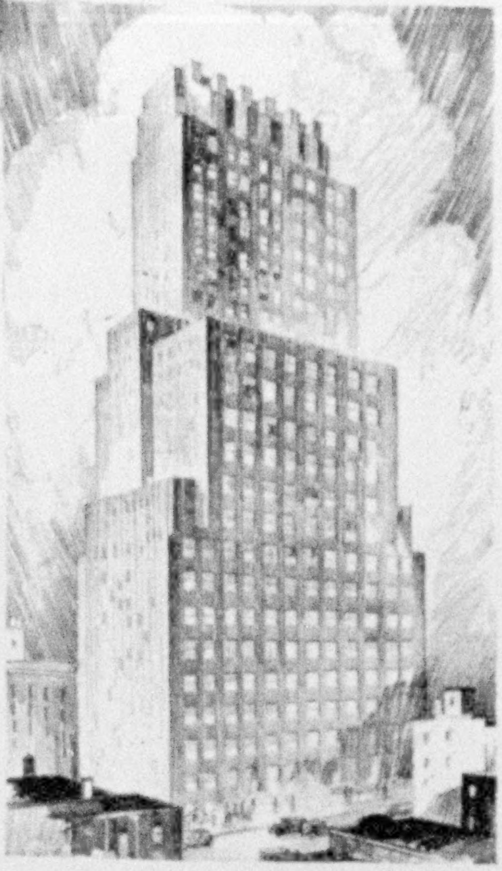

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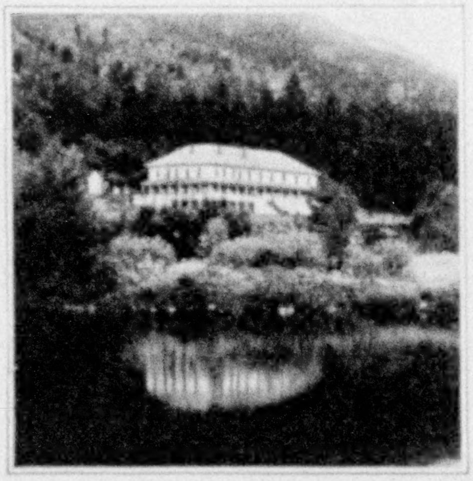

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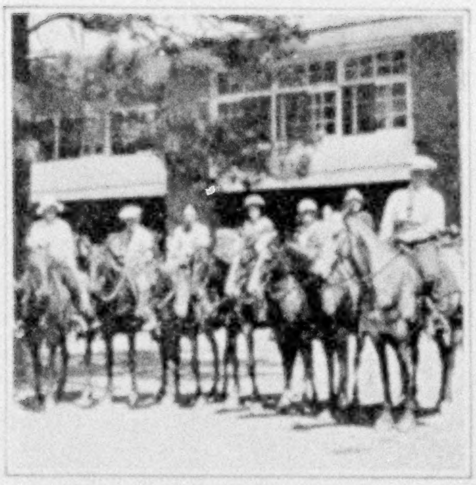

Maybe it's riding, maybe it's just plain loafing—but whatever it is, you'll get a bigger "kick" out of it in Colorado than you ever did before. And the children—Colorado is a paradise for them!

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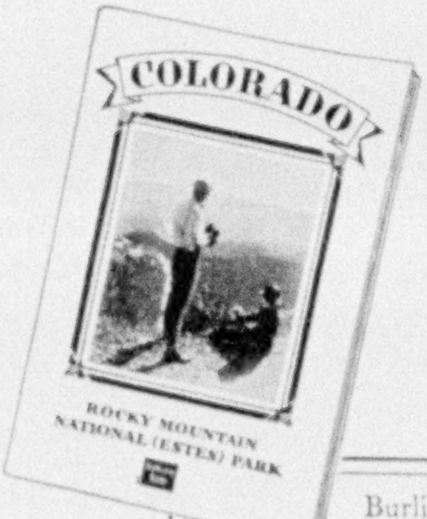

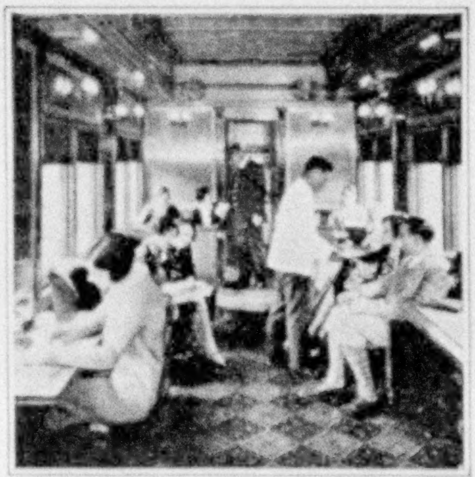

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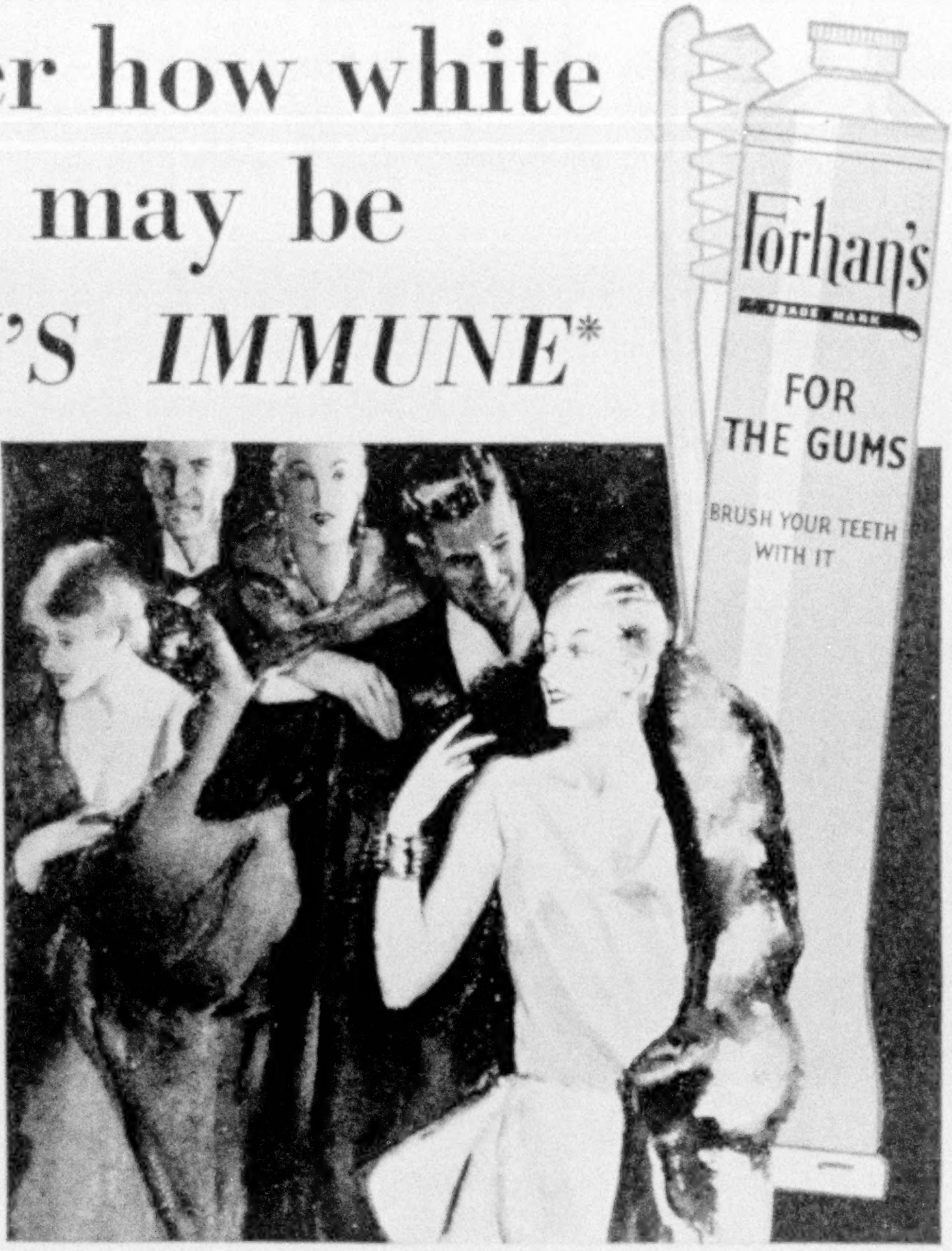

**4 out of 5 While Caring for Teeth Neglect the Gums and Sacrifice Health to Pyorrhea*

DENTAL authorities tell us that in this super-civilized age of luxurious living and soft foods, proper care of the gums is as important as care of the teeth.

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Forhan's *for the gums*

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No. 3. *Inside pictures of the General Motors Proving Ground*

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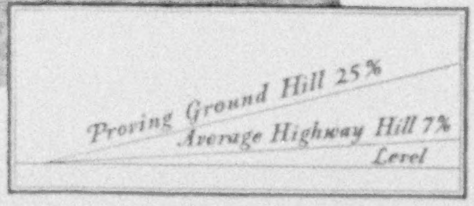

When you realize that the hills encountered in ordinary driving average only seven per cent in grade, you will appreciate how much *harder* are the tests at General Motors' Proving Ground.

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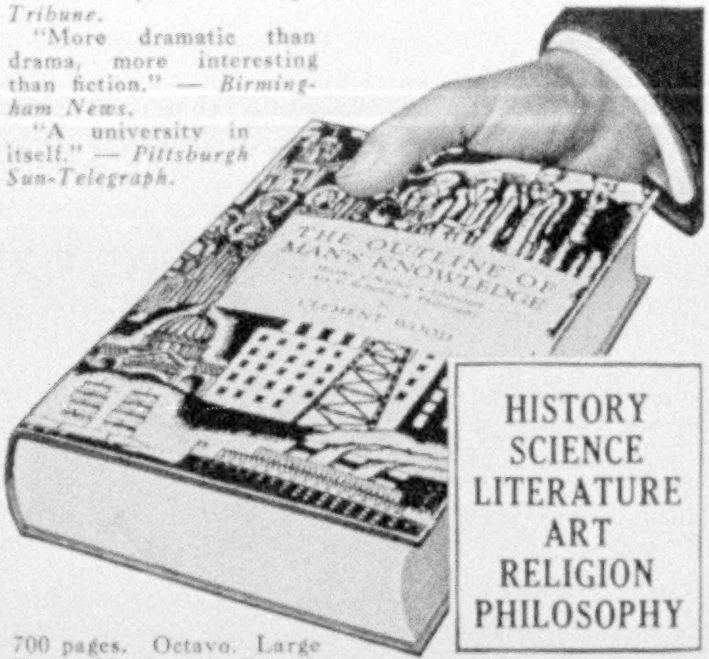
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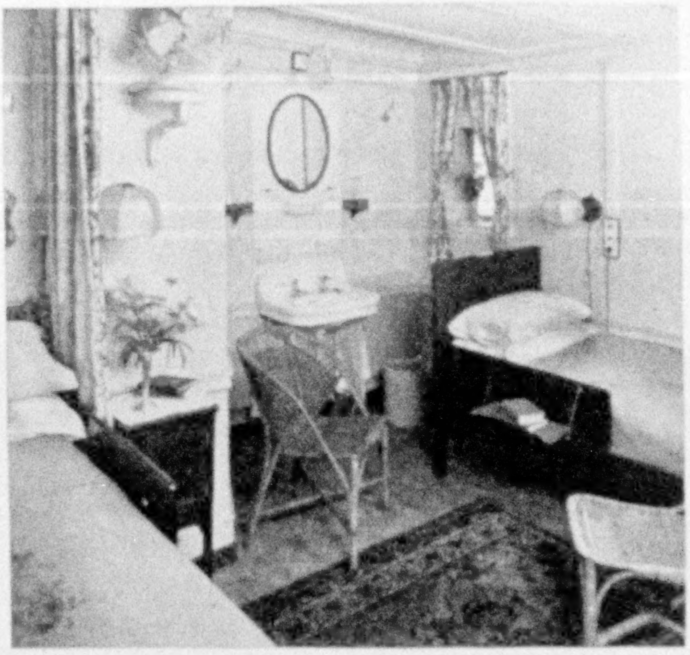

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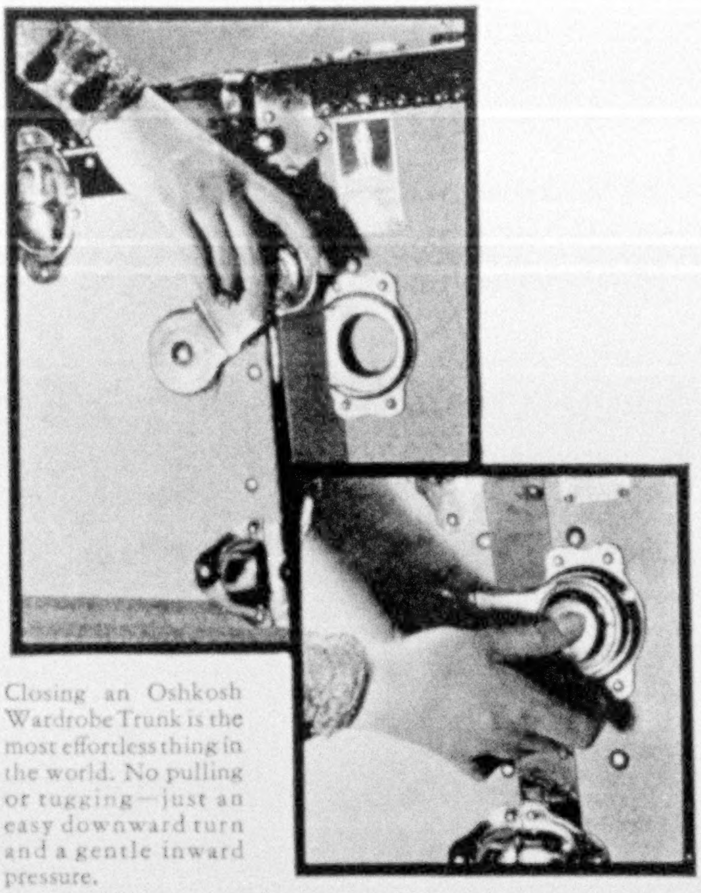

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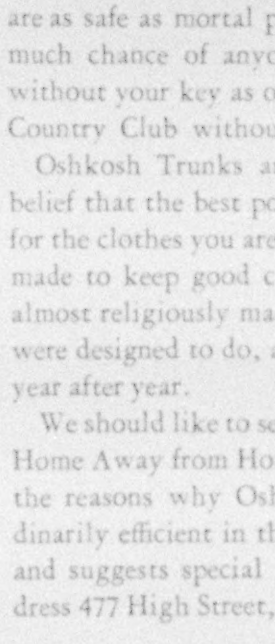
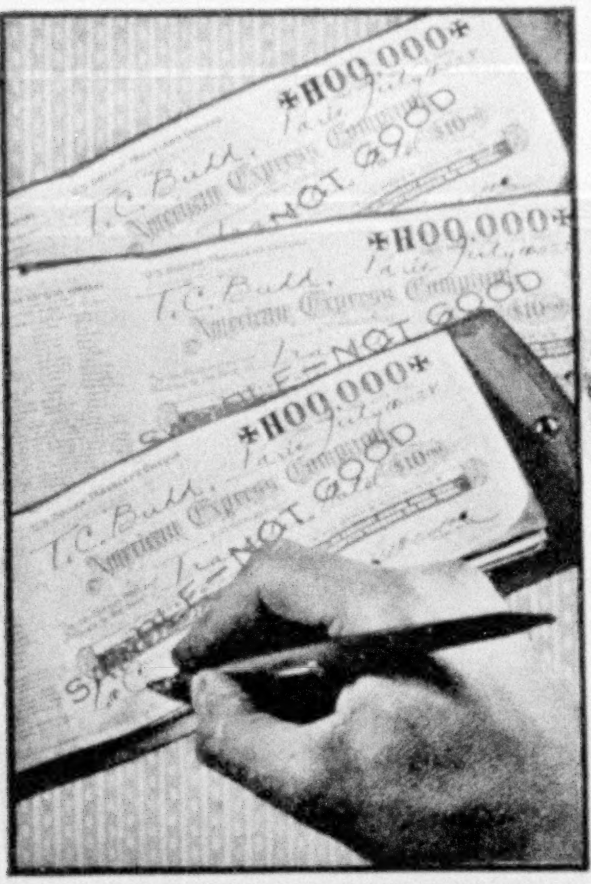


This Oshkosh Shoe and Hat Cabinet has twelve small drawers, or four drawers with three compartments each, accommodating twelve pairs of shoes. The removable Hat Cage in the bottom drawer accommodates six or more women's hats.



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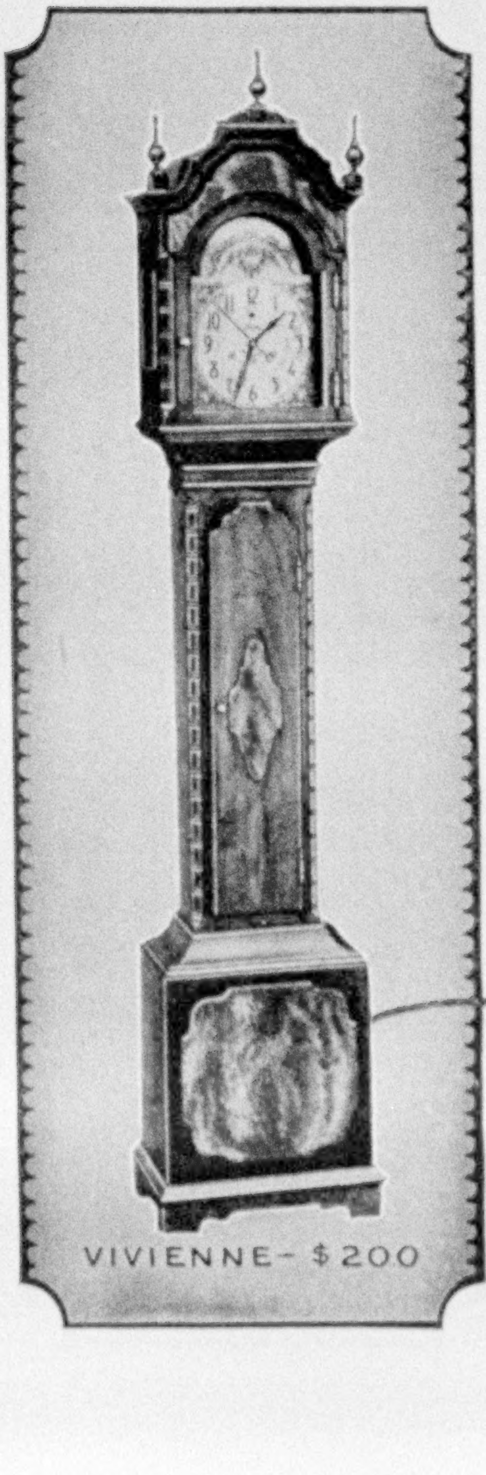

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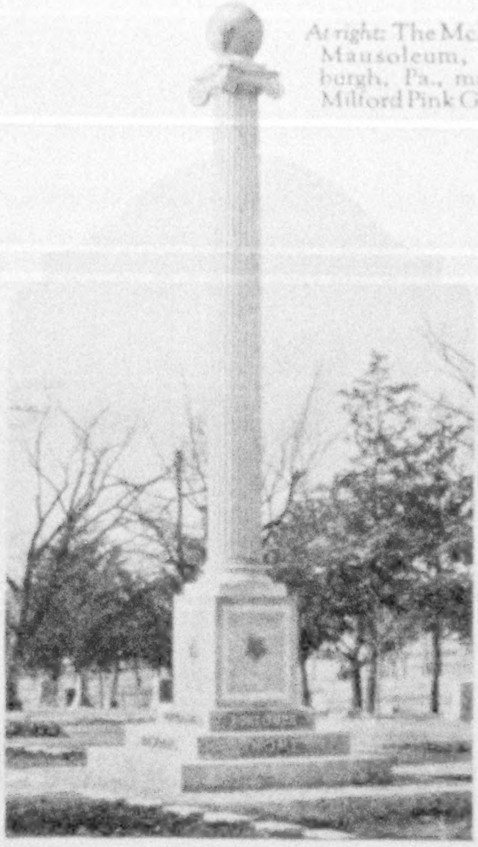
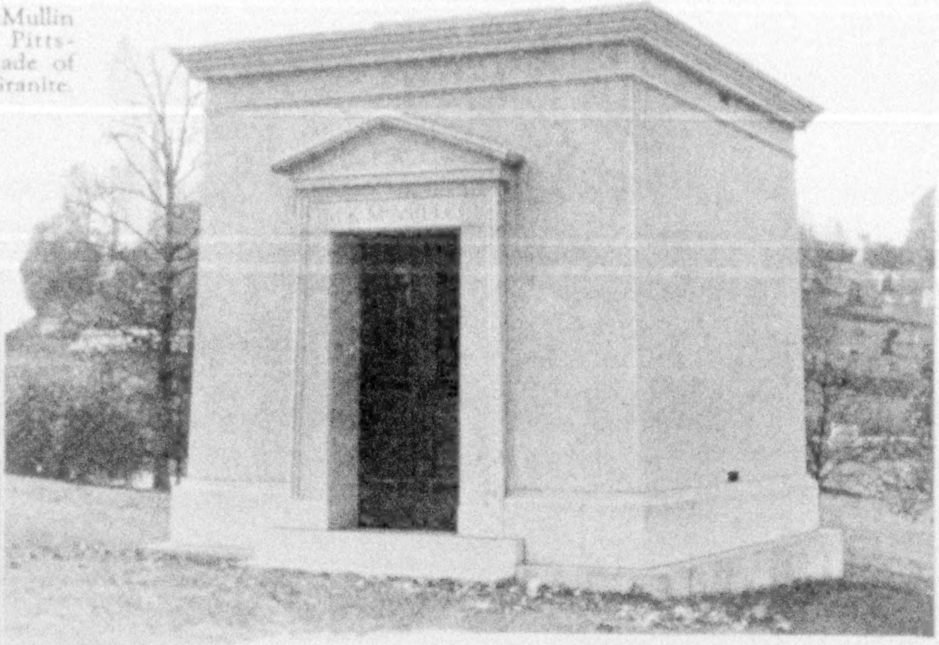


Above: Masonic Memorial, Wichita, Kans., of Stony Creek Granite. Lettering and Ornamentation in Bronze.



At right: The McMullin Mausoleum, Pittsburgh, Pa., made of Milford Pink Granite.

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Many are grateful for the information received from our book, "Modern Memorial Art." Write for your copy.

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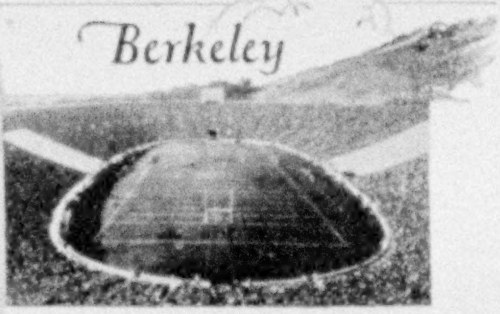

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Berkeley, site of one of the world's largest universities, cultural center of the West, and possessing its own delightful charm; delightful hotels and beautiful environs; apartments and modern homes; abounding entertainment and recreational facilities, invites you while visiting. Write

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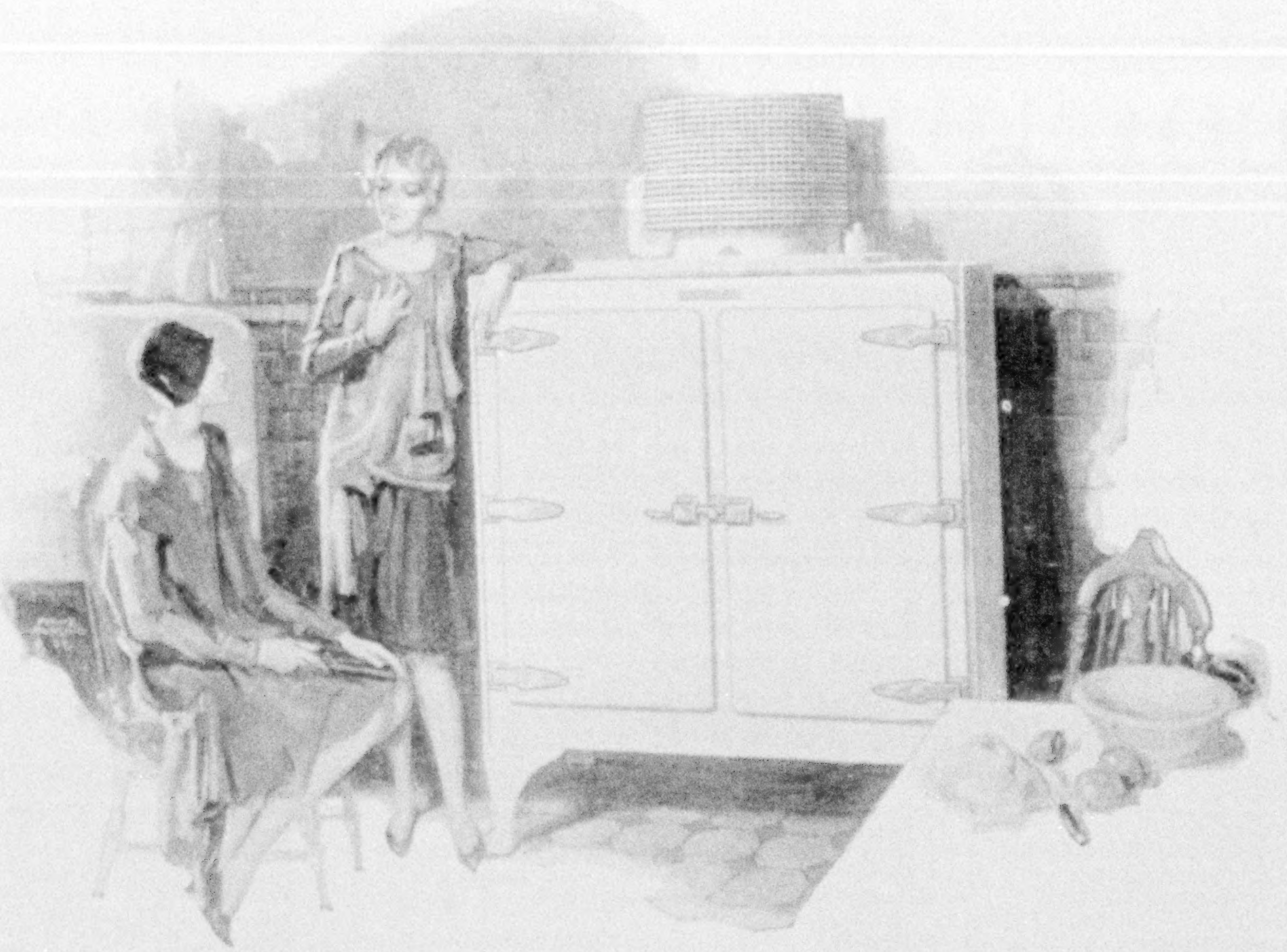

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WHEN a proud owner of a General Electric Refrigerator takes her friends in to see it, the first comment is apt to be "Why it's *so* quiet—you can barely hear it."

The thing which seems to impress everyone is the extreme quietness with which these refrigerators operate. Their unique construction has indeed established a new standard for quiet operation.

This design, however, accomplishes something even more important. It makes possible the top-unit arrangement—a distinctive feature found only in the General Electric Refrigerator. Placing the unit on top makes it possible to enclose all the machinery—together with a permanent supply of metal protecting oil—in an hermetically sealed steel casing. There the hidden machinery, always oiled, remains safe from dust and difficulties. No one can tinker with it—no one needs to.

The General Electric Refrigerator gives you the perfect refrigeration that does away with food spoilage and safeguards health. It provides a generous supply of ice, makes menu-planning so much easier, permits you to serve the sort of food that your guests will instantly recognize as perfect. For further details, just write us asking for Booklet R-3.

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1293

Two Sets or Three?

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ONE of the things this modern mother found out is that teeth, so vital to well-being, begin to form before birth. And that in order to give her baby good teeth her own diet must consist largely of eggs, fresh vegetables, fruits, whole-grain cereals and milk.

The first set of baby teeth is very important in its effect upon the second set and should be given the greatest care. When one of the little teeth is lost, before nature is ready to send out its successor, the shape of the jaw is likely to change in such a way that the second teeth will come in unevenly.

Especial attention must be paid to the double molars of the temporary set. By good dentistry, these should be made to last until the tenth or eleventh year. And so, when her child is only four years old—hardly more than a baby—and thereafter every six months, the modern mother takes him to her dentist.

The first permanent teeth are called the six-year molars because they come in at about the sixth year, behind the two temporary molars.

These six-year molars are the keystone of the dental arch and govern the position of all the later teeth. Coming in as they do in a mouth full of temporary teeth, they are frequently neglected and sometimes extracted as part of the baby set.

Good teeth do not just happen. They are built by food—like every other part of the body. First in importance comes the food the mother eats before her baby is born, then the food she gives him through babyhood, and finally the food that he selects for himself. Teeth are living parts of the body and need the minerals contained in eggs, milk, vegetables, fruits and cereals.

Lucky is the baby whose mother has determined that he shall have such fine first and second sets of teeth that he will never need an artificial set.

Poison from tooth infection may damage vital organs, may cause eye, nerve, or joint trouble, rheumatism, headache, or any one of a long list of serious ailments.

The expert dentist of today employs much of the wisdom of medical science; he uses real engineering skill and his work is often touched by the grace of artistry.

If teeth are lost, artificial substitutes can usually be made which will insure comfort, good appearance and efficient service. Without the latter, good digestion and therefore good health are impossible.

THE LIGHT THAT NEVER FAILS

A famous physician once made the statement, "Bad teeth are the most common cause of physical breakdown".

Health scientists warn us that teeth should be watched not from the outside alone, but from the inside as well and that a tooth which has never ached nor shown decay may yet hide unsuspected poison. Dentists use x-ray photographs to tell the story. If the x-rays show poison at the root that cannot be dislodged by treatment, perhaps the tooth should be extracted.

The Metropolitan Life Insurance Company will gladly mail its booklet, "Good teeth, how to get them and keep them," to anyone who requests it. Ask for Booklet No. 39-N.

HALEY FISKE, *President*.

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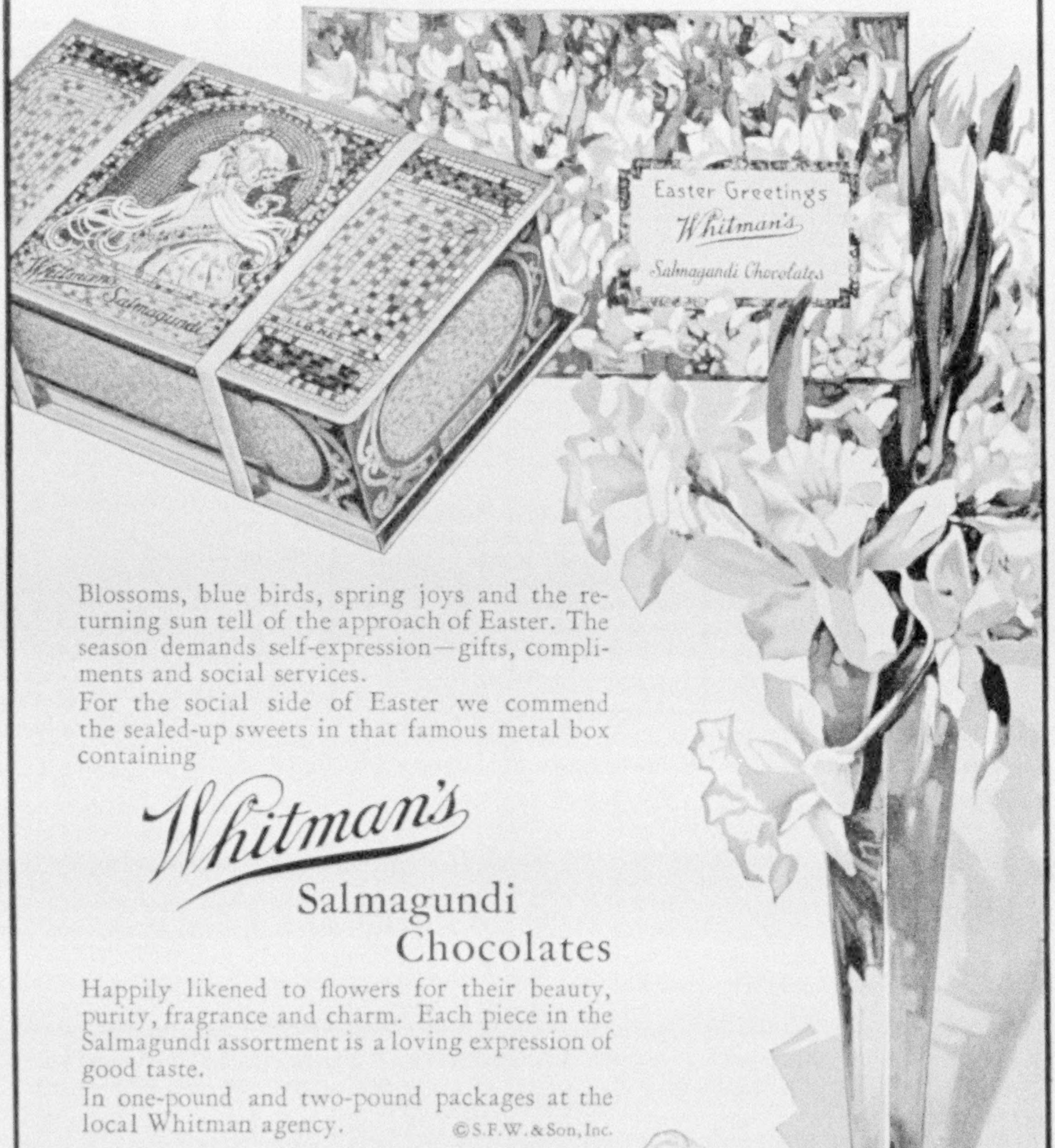
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VOL. LV, No. 3 WASHINGTON MARCH, 1929

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SEVILLE, MORE SPANISH THAN SPAIN

The City of the Ibero-American Exposition, Which Opens This Spring, Presents a Tapestry of Many Ages and of Nations Old and New

By Richard Ford

American Consul, Seville

"THE most Spanish of Spain" is the way Seville is described by the majority of visitors who travel down from Madrid and up from Cádiz and come to a brief halt in this famed town of southern Spain, capital of ancient Andalusia, sun-swathed city of splotched shadows, where encroaching modernity seems ever to struggle futilely against the strongly entrenched, if slightly crumbling, glory of long ago.

And perhaps those folk who are wont thus to describe Seville are right. Probably nowhere else in all the Iberian Peninsula does one come upon more definite traces of that luxuriant flower that was Old Spain than in this city of a quarter of a million souls, which straggles along the banks of the slow-moving Guadalquivir River.

In Madrid, in Barcelona, in other thriving cities of the north and east, one is in Spain, to be sure; but a Spain revivified, cosmopolitan, commercialized. In the high interior, from Cáceres to Castellón, one likewise knows Spain; but it is a rural Spain, a credulous, cradled Spain, where the simple beauties of blue skies and verdant hillsides are somehow transmitted to one's daily life (see map, page 314).

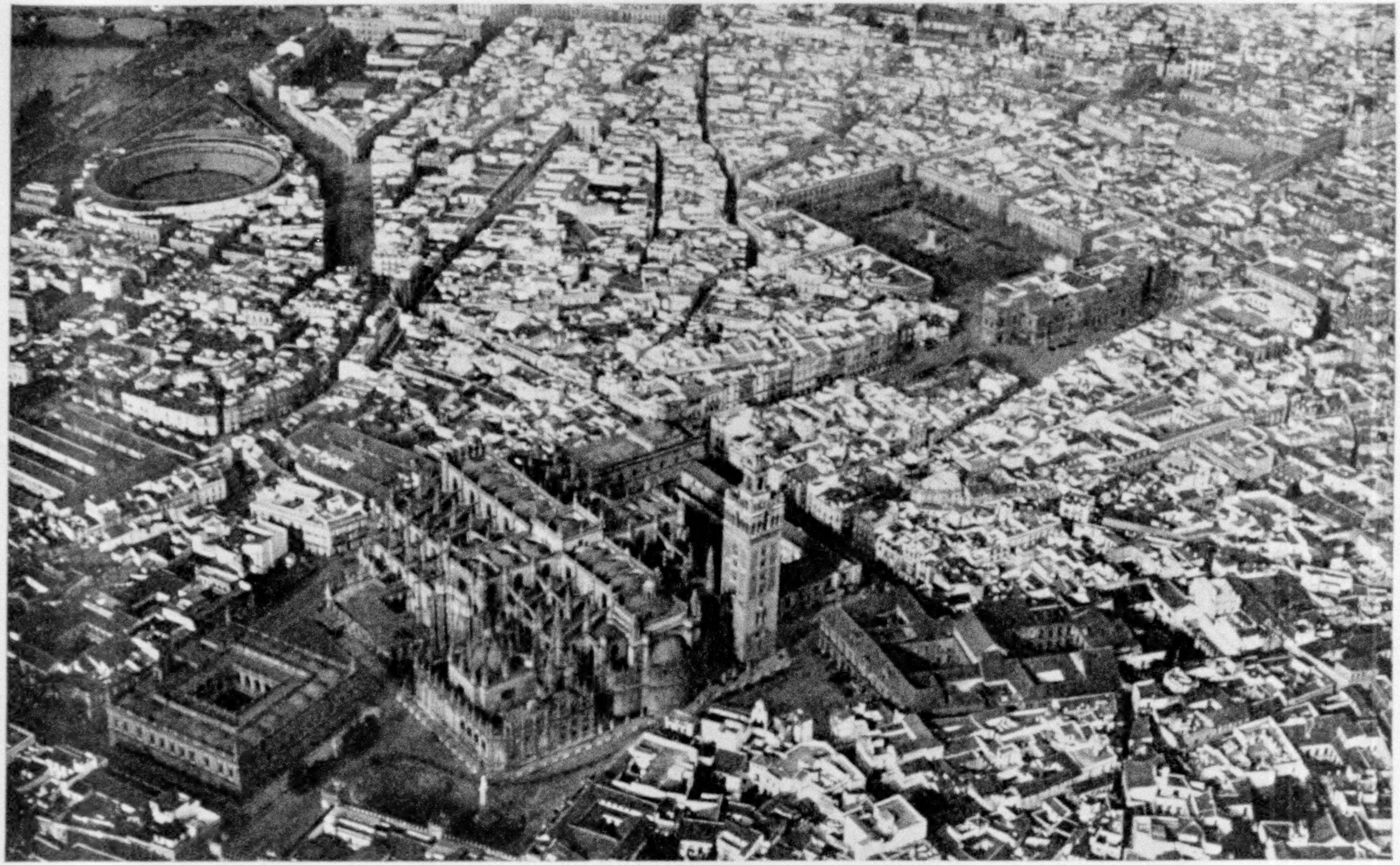
And in the mountain-top towns of the south, crumbled outposts of Moslem might, one finds the Spanish influence still strangely subdued by moldering remnants of the once far-flung Moorish empire.

But in Seville, now scintillating, now sleepy, is discovered a Spain not of the drowsing past, nor yet of the bustling present; it is an indiscriminate mingling of both. Abiding through the centuries here on sun-swept slopes, the city has built for itself a dwelling place of traditions; but they are not a high wall hedging it about. Seville takes pride in her glorious past, treasures it, becomes frankly arrogant about it at times; but her chief love is life and the living of it.

Her lichen-covered churches she holds inviolate. Not one cobweb may be removed, nor a single crumbling block of hand-hewed stone be remortared; but, across a well-paved avenue, a steel-fabricated office building must incorporate every convenience of the modern builder's art.

SEVILLE'S HISTORY IS AS COLORFUL AS HER SHAWLS

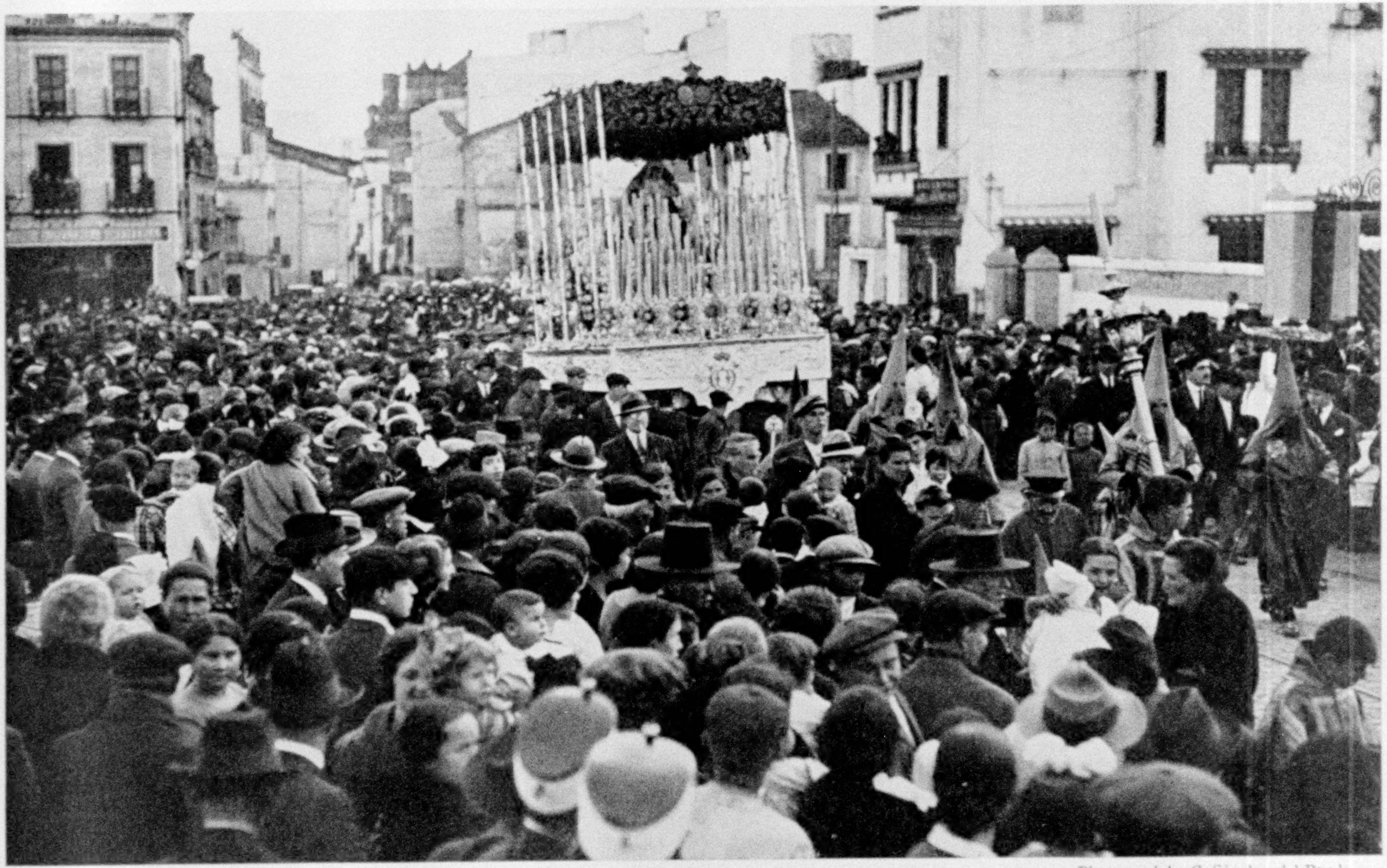
Laden donkeys may, and do, wander willy-nilly through every downtown thoroughfare, but the driver of a limousine must keep his eyes open for "one-way street" signs and his ears alert for the traffic officer's whistle.



Photograph from Richard Ford

THE AIRMAN'S VIEW OF ANDALUSIA'S CAPITAL

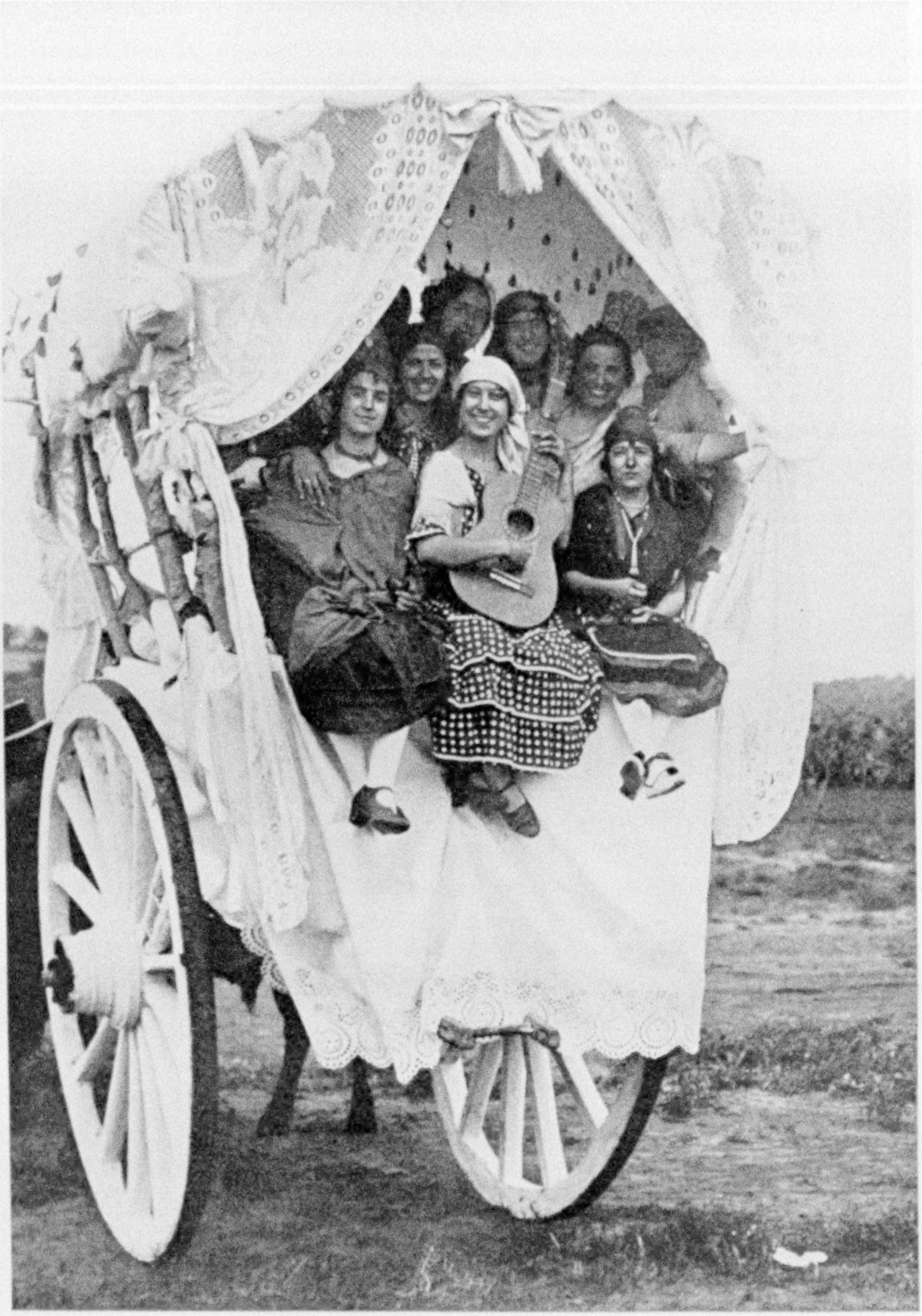
The famous Cathedral of Seville, finished in 1506 and begun more than a century before, is distinguishable in the foreground, with the Giralda Tower to the right. At the upper left is the bull ring, which provides an animated scene on Sunday afternoons. The Plaza de San Fernando (upper right center) is the largest square in the city. It is beautifully planted with palms and a band plays there on summer evenings.



Photograph by C. Sánchez del Pando

A HOLY WEEK PROCESSION IN SEVILLE

The sacred images, which are carried slowly through the streets during Holy Week, are indescribable as regards beauty of workmanship and richness of apparel. The floats are carried on the bowed shoulders of workmen, crowded together beneath the platforms and hidden by cloth hangings. Because of the weight of their burden and the density of their numbers, they are able to take only short, quick steps, and thus the float moves gently along at a snail's pace, with frequent pauses for rest.



Photograph by C. Sánchez del Pando

OFF FOR A "ROMERÍA," A RELIGIOUS PICNIC

The procession is made up of a number of gaily decked oxcarts, the lumbering beasts themselves being rather profusely decorated. The first cart contains a candle-clustered banner, which is followed by groups of Seville's señoritas, who enliven the way with songs and dancing.

Photograph by De Cou from Galloway

A LOAD OF CORK IN THE STREETS OF SEVILLE

The diminutive guide animal is so intelligent and well trained that he will turn right or left readily, at the driver's call. In this way even heavy conveyances are piloted through the streets without difficulty.

Seville's history is as colorful as one of the silken shawls that drape the shoulders of her dark-eyed señoritas, as varied as the moods of her people, as interesting as any story may well be that depicts the romance of a town which has lived through the rise, glory, and decay of half a dozen nations. And because that thirty-century record has direct bearing upon the predilections and characteristics of the Seville of to-day, a brief mention is here made of it.

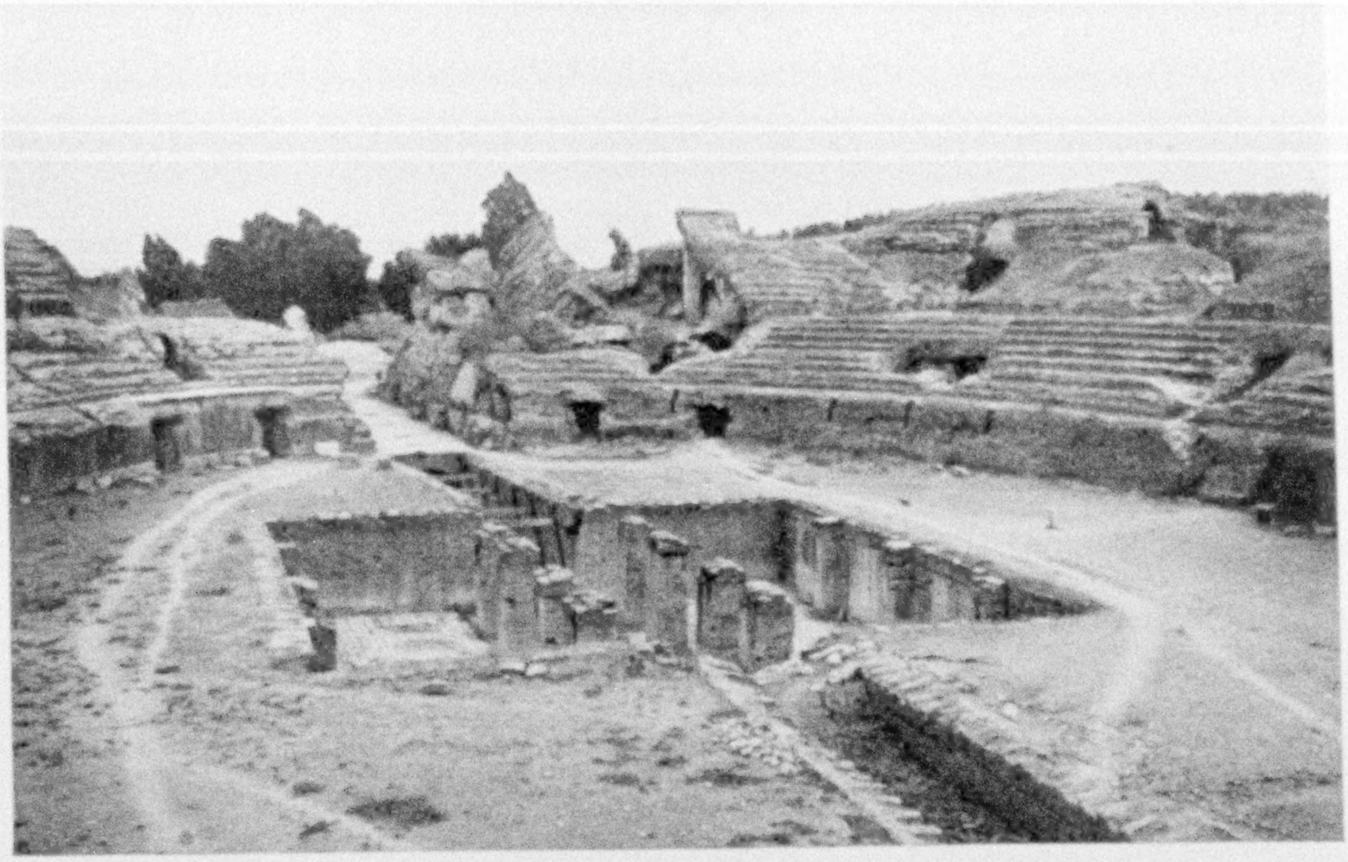
The city's actual genesis is lost, hidden by the obscuring veil which shrouds much of the remote past of the Mediterranean, and which was only slightly torn aside by the adventuring Phœnicians, and later by the warrior-merchants of Carthage.

But there was a Roman Seville. Of that ancient period definite traces remain. The crumbling wall which still stalks through the thickly peopled Macarena and Capuchinos districts of the city was built under the direction of the Cæsars. A few miles from Seville the buried Roman city of Itálica, of which thus far only the arena has been fully excavated, gives mute, if muddy, evidence of that classic civilization which was in full flower at the birth of the Christian Era (see page 278).

Many of the carved treasures of Itálica and of the other Roman ruins in Carmona, near by, have been collected and may be seen to-day in the Provincial Museum of Seville and in several private homes of the city. The great majority, however, are believed still to lie buried beneath clay coverlets wherein generations of gnarled olive trees have embedded their roots.

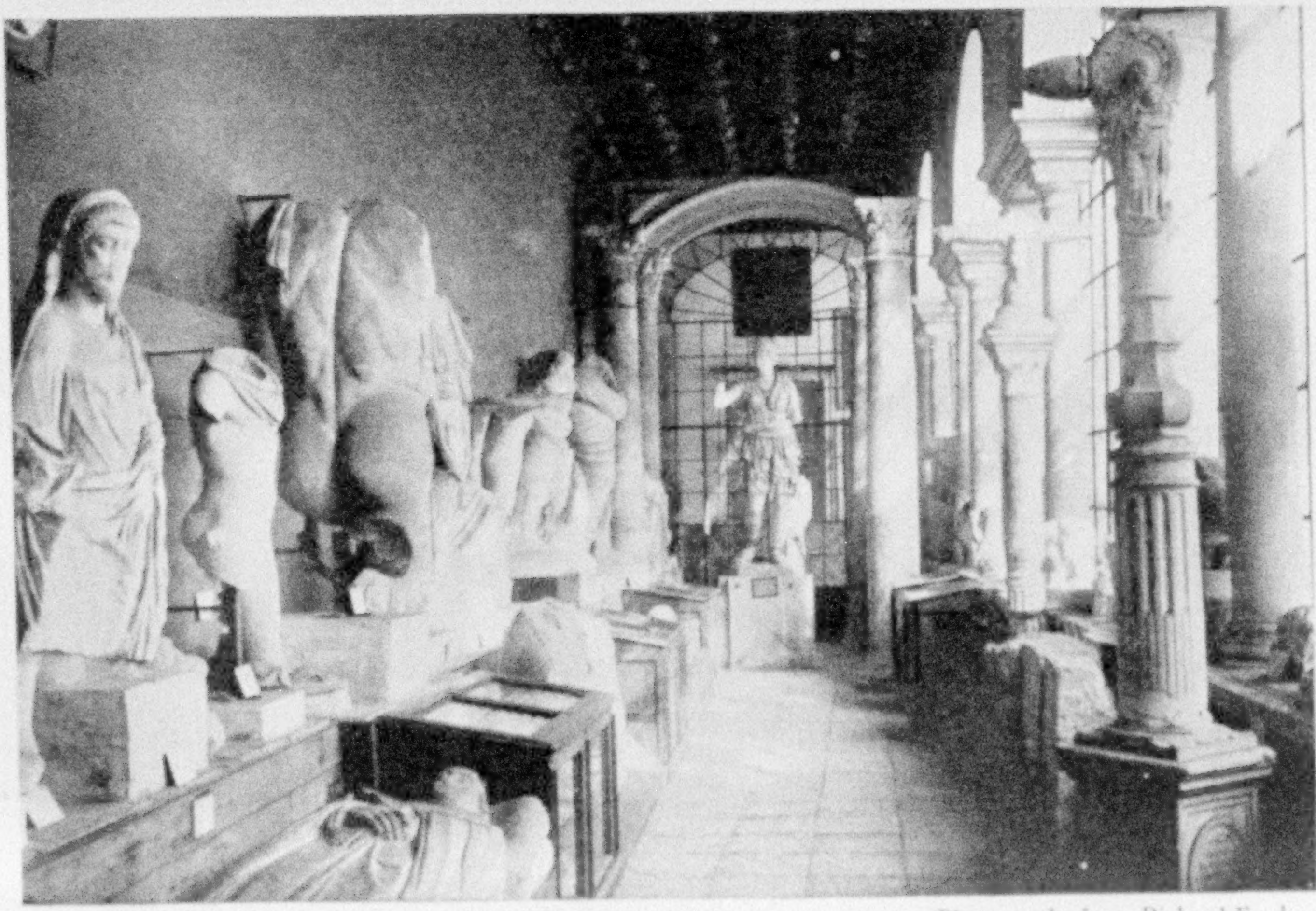
The Visigoths, following the fall of Rome's western empire, lingered for a brief three centuries in Seville. However, scant fragments proving their residence are found to-day, because the Goths, being a destructive rather than constructive people, left few monuments that have successfully withstood the wear of time.

The Jews, too, from behind Byzantium came here to have their home, rose to positions of power, endured grievous persecution, passed, but left carved memories of their stay. Their stiffly formal architecture, with its clearcut, shadowless figures, blends well with sun-laden Seville.



ITÁLICA WAS AN IMPORTANT CITY OF ROMAN SPAIN

Not far from Seville are the ruins of this old city, founded by Scipio Africanus the Elder about 205 B. C. and a post of great military importance for several centuries. The Emperors Trajan, Hadrian, and Theodosius were born at Itálica. The arena is fairly well preserved.



Photographs from Richard Ford

RELICS OF ROMAN DAYS IN THE PROVINCIAL MUSEUM

Many marble statues were found during the excavations at Itálica some years ago, and other relics of the Roman period, in a much better state of preservation, are in private homes of Seville.

Photograph by C. H. Cuno

RAILWAY TRAVEL IS EXPENSIVE IN THE LAND OF THE DONS

Compartment coaches of three classes are used on the Spanish railways. Well-to-do Spaniards and most foreign visitors travel first class. A station platform in Seville.

Likewise the gypsies came here, and here they yet remain, crowded together in noisy little and big families in Triana, the ragged suburb of Seville, across the Guadalquivir. By day the passer-by must verily join the donkeys in Triana's streets if he would avoid the cluttered vegetable markets encumbering the sidewalks, and by night he may pause a brief moment in the stillness and hear, above the cry of babies and bark of dogs, that soft sound that speaks of rustling sands 'neath Saharan skies at midnight.

THE MOORS PLACED A PERMANENT STAMP ON THE CITY

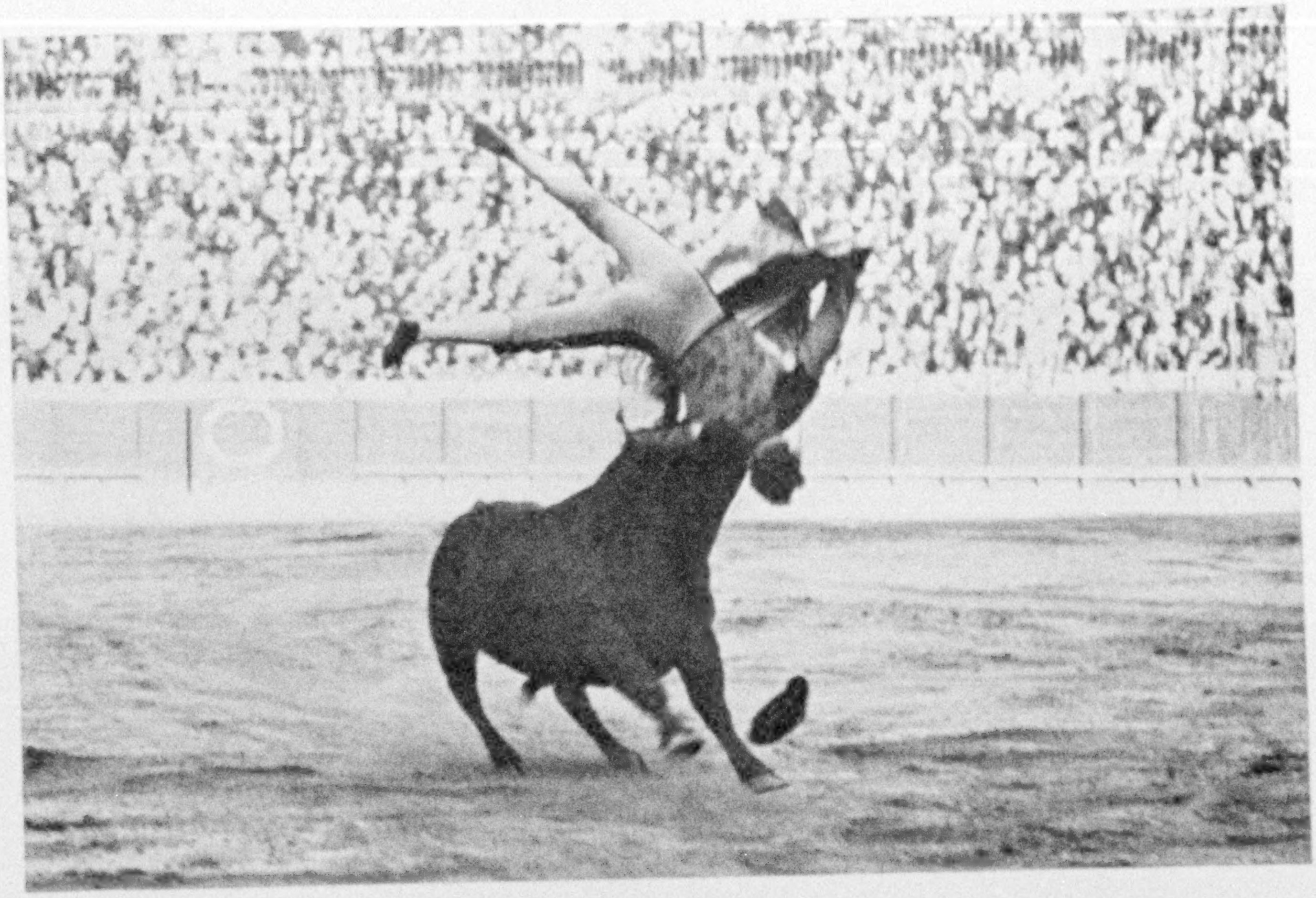
Finally, the Moors possessed Seville. One must say finally because the city remains to-day something of a Moorish town. Saint Ferdinand, to be sure, brought it within the Christian fold some seven centuries ago; but all his might could not wipe out the Orient.

The picturesque Santa Cruz district of Seville, with its narrow, crooked streets and flat-roofed, companionable houses, has changed very little in the last thousand years. The city's famous and equally beloved Giralda is to-day much the same as when a Moorish architect completed it, in 1196, and the white-robed followers of Mohammed used it as a minaret from which to call the Faithful to prayer.

And the Tower of Gold, while slightly grimy from steamboats' funnels in the Guadalquivir River, is not greatly changed from that day in 1220 when the Moorish Governor of Seville conspired with the western sun's reflection to give it a name.

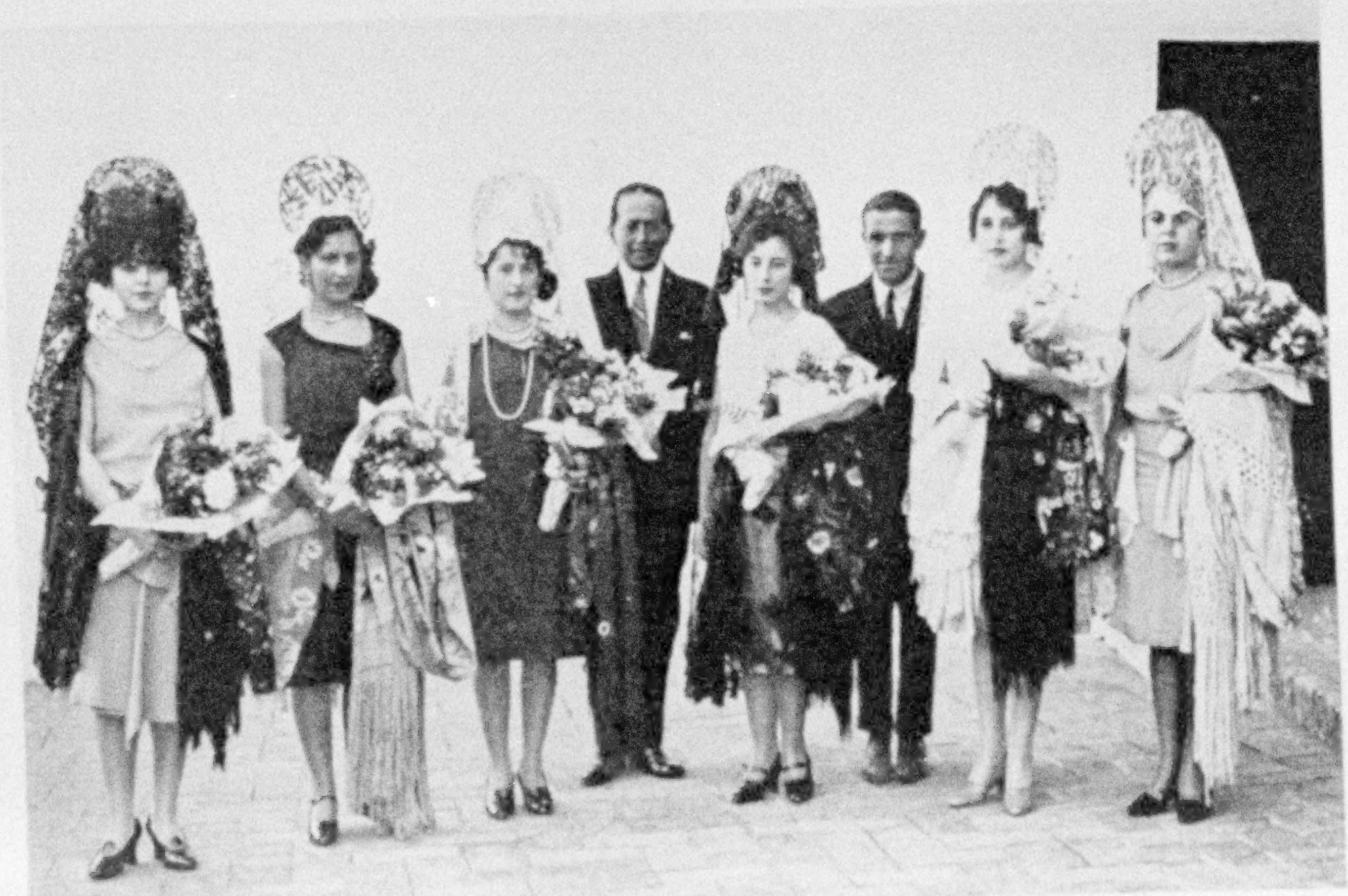
But it was the virility of western Christendom, building on the Orient's lavish splendor, that made the Seville of to-day. Not until mosques were transformed into churches did this city, nestling at the threshold of European civilization, attain its rightful place in the sun. Phœnician, Carthaginian, Roman, Goth, Jew, Saracen, Christian—all collaborated in the making of Seville; but the greatest of these carried a cross.

It is with this epoch of the city's eventful history that the Sevillano of to-day



ON BOTH HORNS OF A DILEMMA

The glory of a successful "pass" is sometimes marred by the ignominy of failure if the toreador is a fraction of a second slow.



Photographs from Richard Ford

TWO OF SPAIN'S GREAT BULLFIGHTERS POSE WITH A GROUP OF THEIR ADMIRERS

The high Spanish combs and mantillas are seen to advantage at a bullfight, and the shawls offer a veritable Joseph's coat of color. This party, occupants of the box of honor in the arena, includes two of Spain's most famous fighters.

Photograph by Angel Rubio

SEVILLE SOCIETY APPLAUDS A TOREADOR

Wealthy bull owners and breeders frequently have a small private ring where they can test the mettle of their stock. Sometimes these little arenas are the scenes of bullfights attended only by the socially elect, and the proceeds are devoted to charity.

likes best to be associated: the days of the militant Saint Ferdinand and his conquering followers; the days of a courageous Spanish queen who readily offered to pawn her jewels that a foolhardy Genoese mariner might sail away into the unknown; the days of Magellan and of the conquistadores; the days when Spanish galleons, gold laden, anchored at the foot of the Tower of Gold and made of Seville one of the mightiest, wealthiest ports in Christendom—these are the halcyon days that share most in the memories of the Seville of now and become a colorful cloak for her modernity.

That long-ago blossoming, when every petal, unfurling, revealed an epic of adventure and conquest and accomplishment, is the proud, albeit somewhat jaunty, flower that adorns the sun-flecked hair of this daughter of southern Spain.

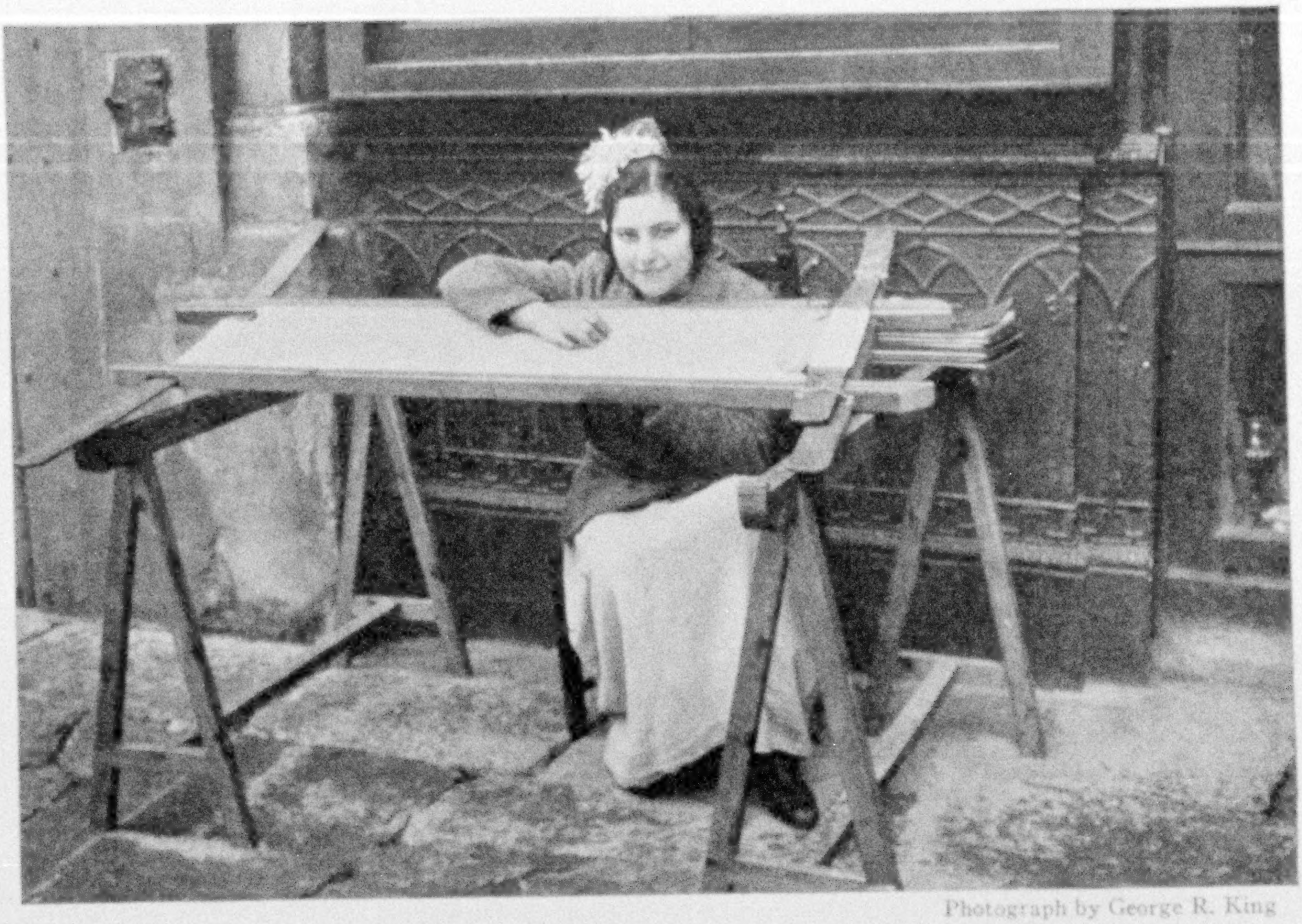
WORSHIPS HER PAST WHILE BROADENING HER STREETS

But Seville dwells not overmuch in reminiscences. She reveres her heroes of olden time, but it is the heroes of to-day that occupy her thoughts and newspapers. Annually she devotes many holidays in obeisance before ancient glories, but the days before and after are spent in widening her narrow streets to accommodate a rapidly increasing motor traffic and in building steel and concrete office buildings wherein to house her ever-expanding commercial enterprises.

She points with pride to where the caravels of the New World's conquerors anchored in the Guadalquivir River, but barely a stone's throw away electric cranes strive the day long with vast cargoes to and from the earth's four corners.

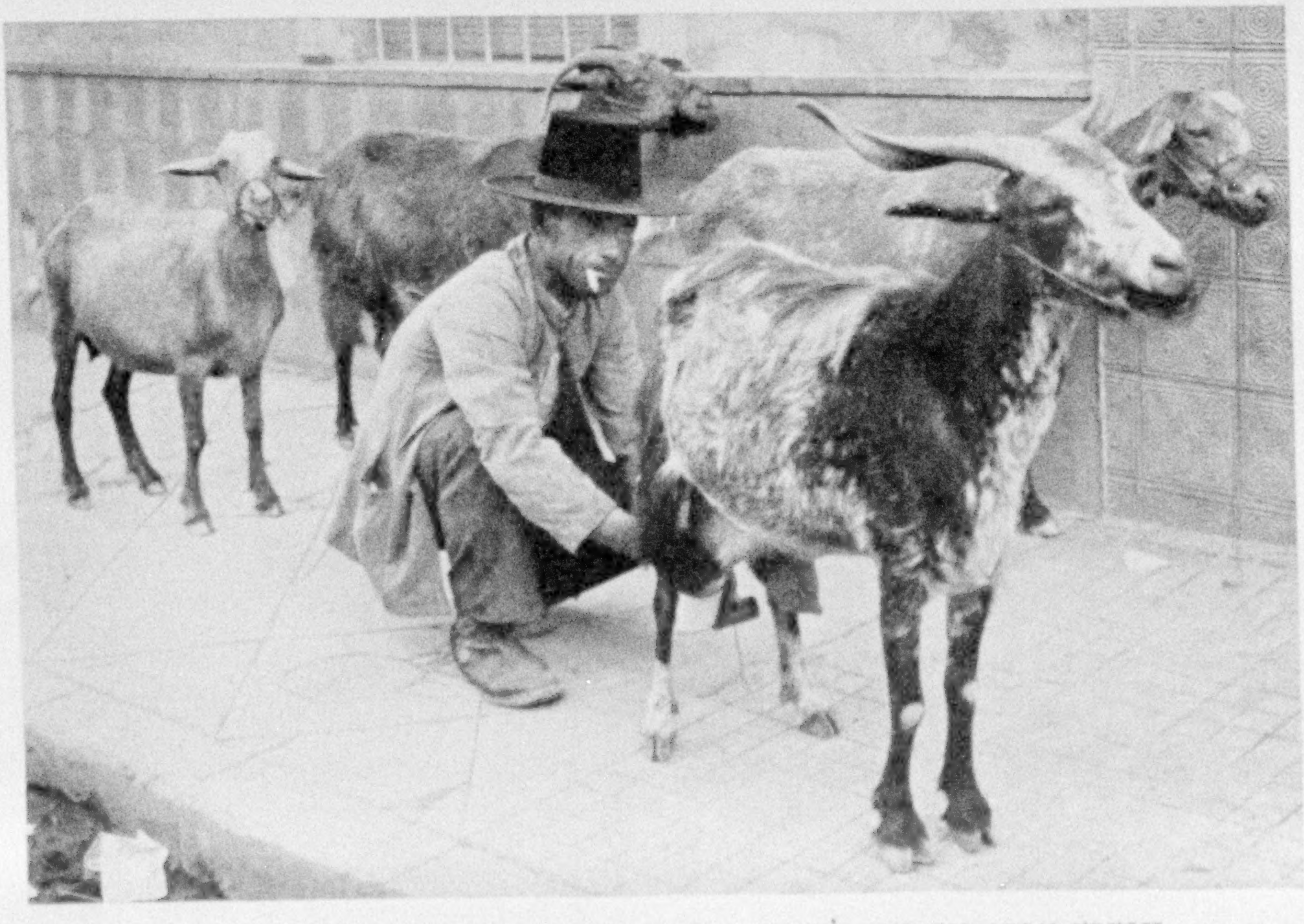
Alcázar, the old Moorish palace rebuilt to house the splendor of the courts of Andalusian kings, remains much the same as it was seven centuries ago; but immediately across the street the new Alfonso XIII Hotel transplants one straightway to the luxury of up-to-date Paris, or London, or New York.

It is in the nature of things that the people of Seville should blend in their present lives a little of each of the eventful epochs of the city's past. Each race, in



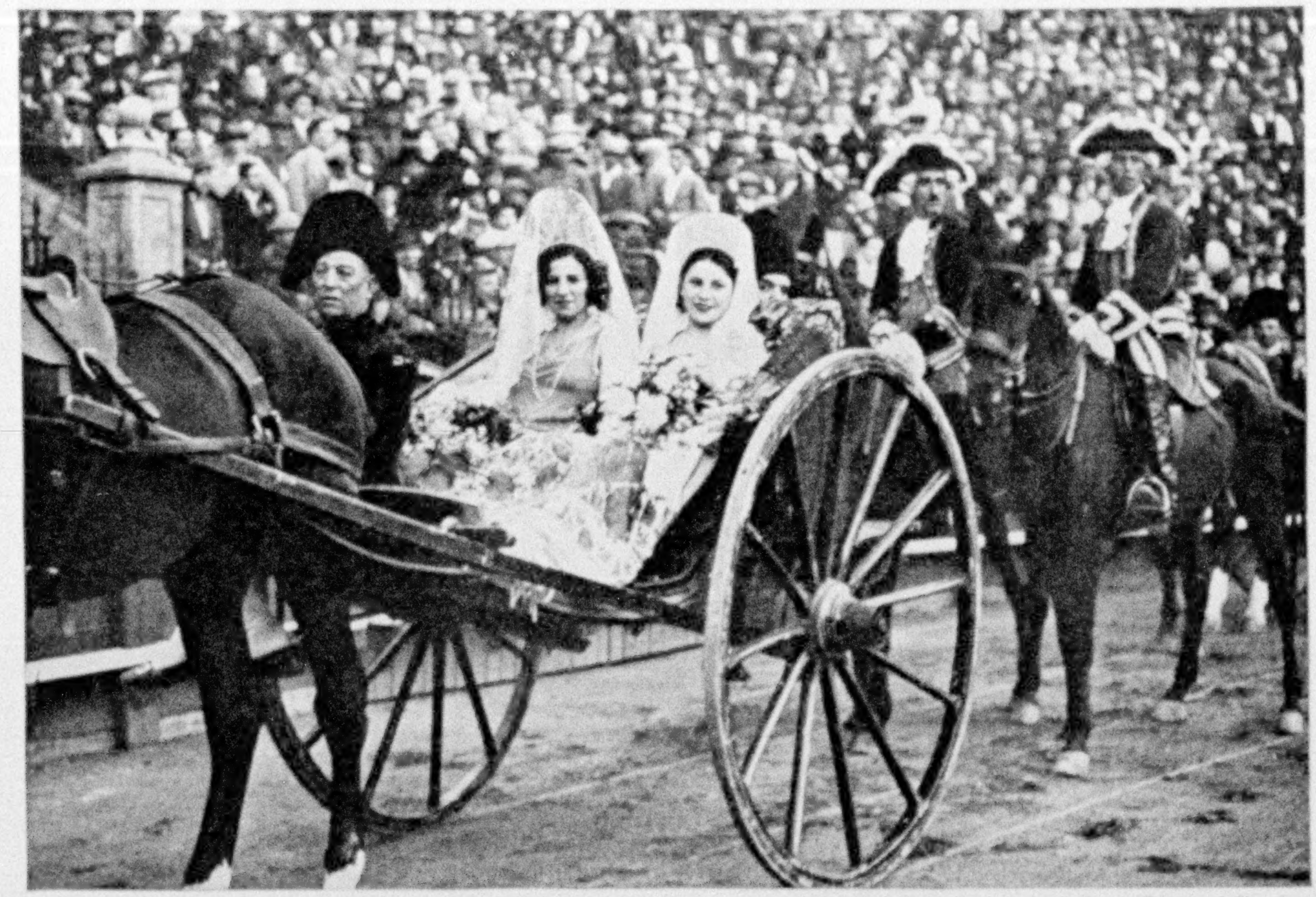
Photograph by George R. King

A YOUNG LACEMAKER OF SEVILLE PLIES HER DIFFICULT ART



AS MUCH OR AS LITTLE AS YOU LIKE, AND IT'S UNDENIABLY FRESH

Goat's milk is widely used in Seville, and in most of the coffee shops one will be served with it unless he particularly specifies *leche de vaca* (cow's milk).



Photograph from Richard Ford

A MEMORY OF THE DAYS OF GOYA

A "Goyesca," or procession in which the participants are costumed as characters from the paintings of the Spanish master, is a feature which sometimes precedes a Sunday bullfight.

lingering and passing, has left something to the Sevillano, whether it be in language, customs, architecture, or in mere physical characteristics.

Few of these gifts appear uppermost today, however. Many racial threads twine through the tapestry that depicts the life in Seville as it is lived at present; but all of these strands have been happily woven into a fabric wherein is portrayed the glory of the past, the awakened strivings of the present, and a future that is at once promising and undetermined.

FEW VISITORS SEE THE TRUE HOME LIFE OF THE CITY

Much has been written, but little is actually known of the home life of Seville.

Those fortunate individuals who come to southern Spain armed with letters of introduction to high officials and wealthy families go away with glowing accounts of the sumptuousness of life, of the lavish hospitality accorded visitors, and of the very modern manner of living in this only superficially modernized city.

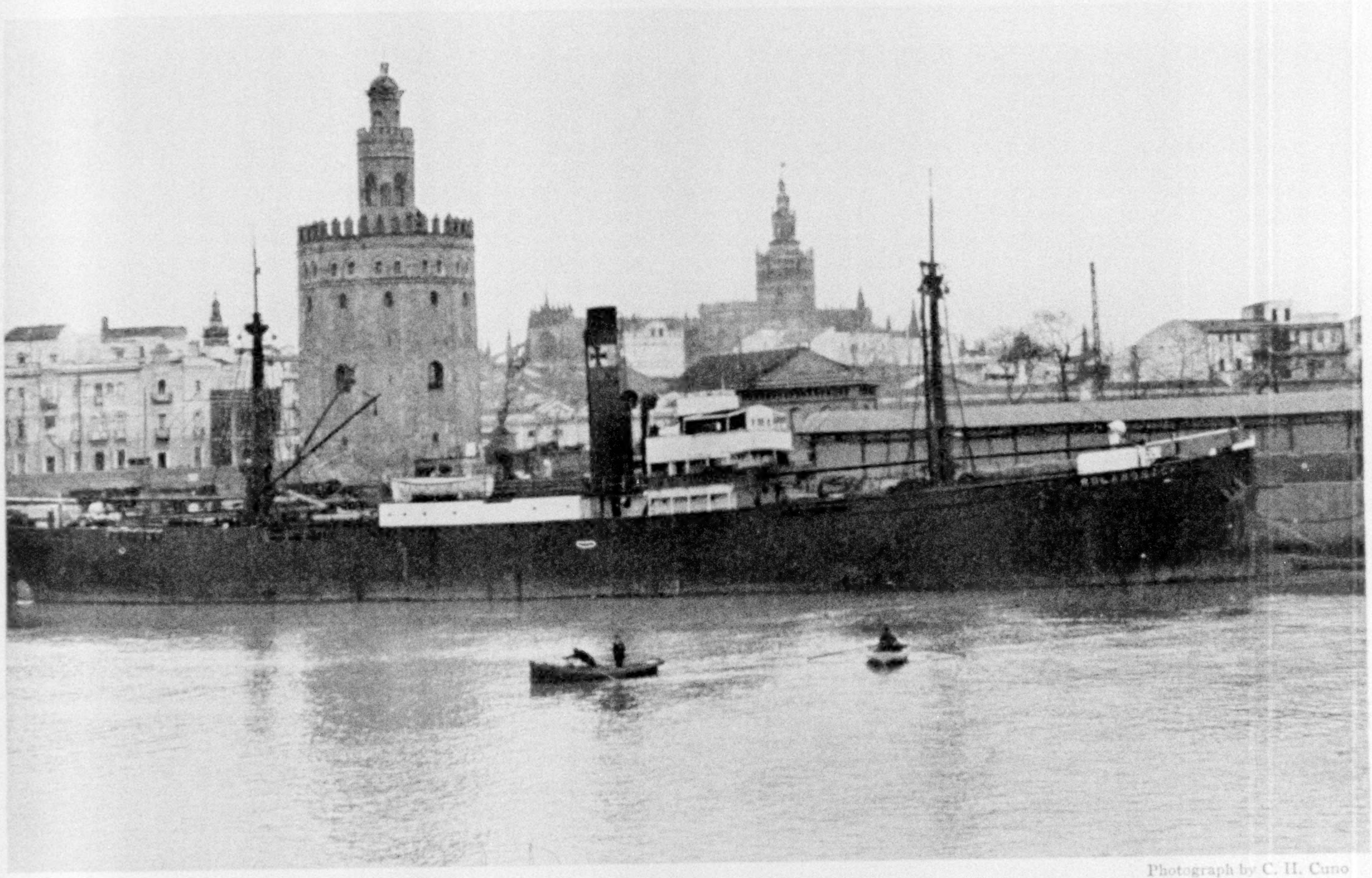
Other earnest seekers after local color who visit Seville and, in their desire to know their Spain, live among the Sevillanos, endure the inconveniences of modest Spanish homes, spend long hours in crowded cafés to engage in endless discussions with the ever-talkative habitués, attend frequent festivals and bullfights, where they wear the native costume and drink much *manzanilla,* and exert themselves to enter into the spirit of all things Sevillano—these folk carry away a vivid, glowing picture of a Seville *en fiesta*—colorful, rather noisy, highly picturesque.

Some visitors, more studiously inclined, come to Seville solely that they may delve into the dusty depths of the city's richly endowed Archives of the Indies.

Staid commercial travelers know only the quiet serenity of darkened offices, where much real business is transacted, but where the many languid clerks still have time for a brief chat and a contemplative cigarette in the flower-choked patio.

But only in rare instances does the foreigner come to know the true home life of the Sevillano, and perhaps never does he come wholly to appreciate it.

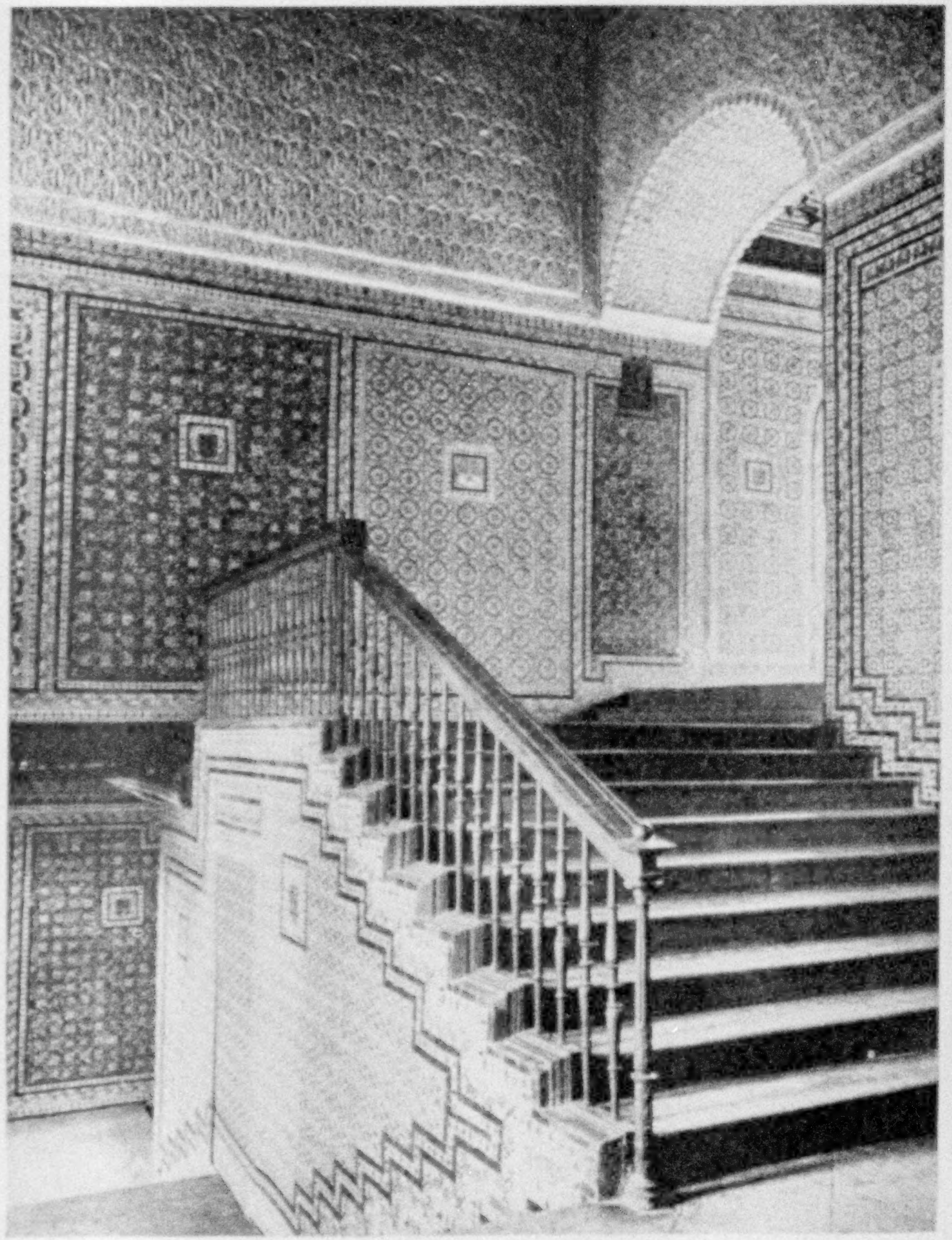
For the home hereabout is a thing apart.

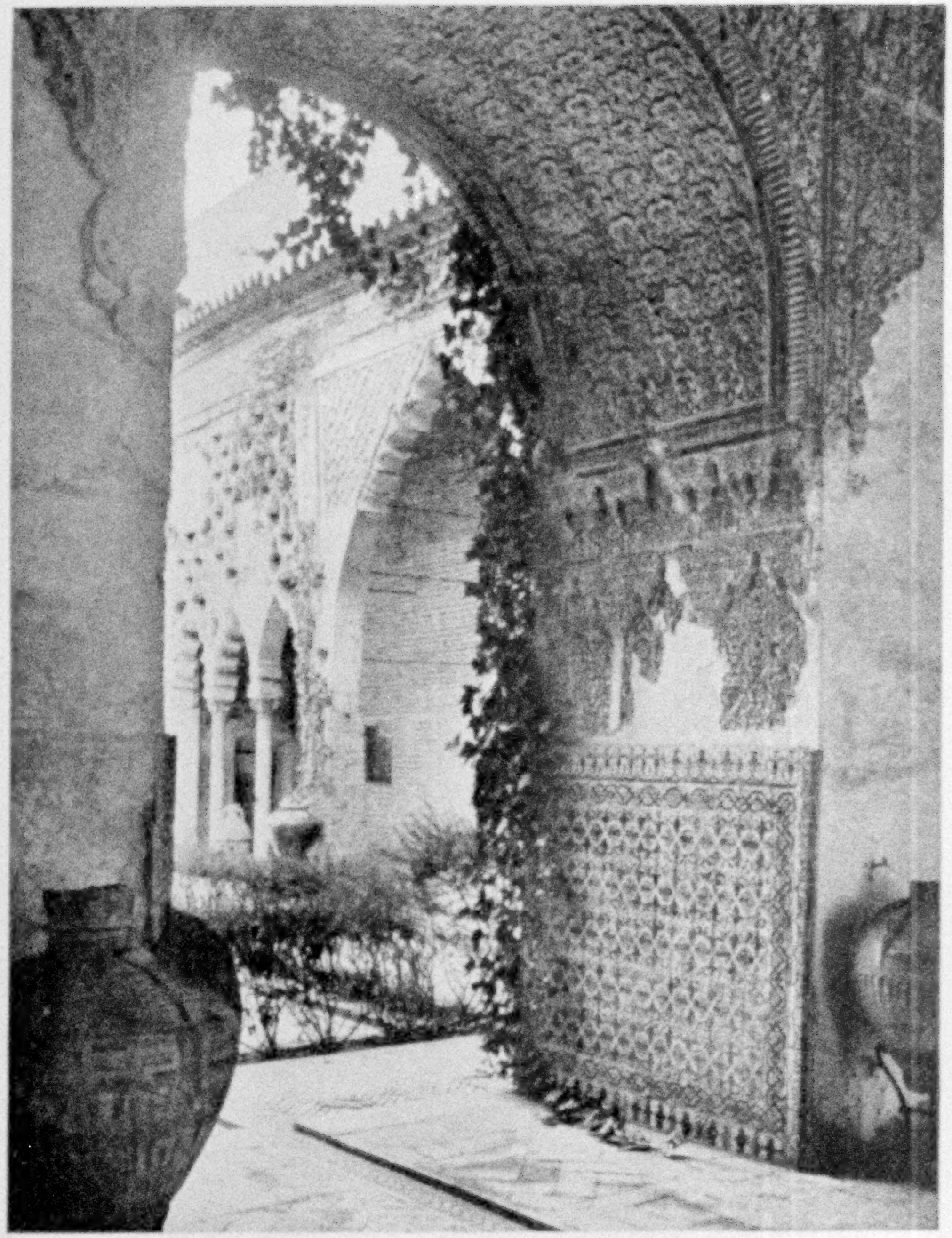


Photograph by C. H. Cuno

LOOKING TOWARD SEVILLE ACROSS THE GUADALQUIVIR RIVER

In the left foreground is the Tower of Gold. The lofty structure in the middle distance is the Giralda Tower, with the Cathedral beyond (see, also, text, page 279).





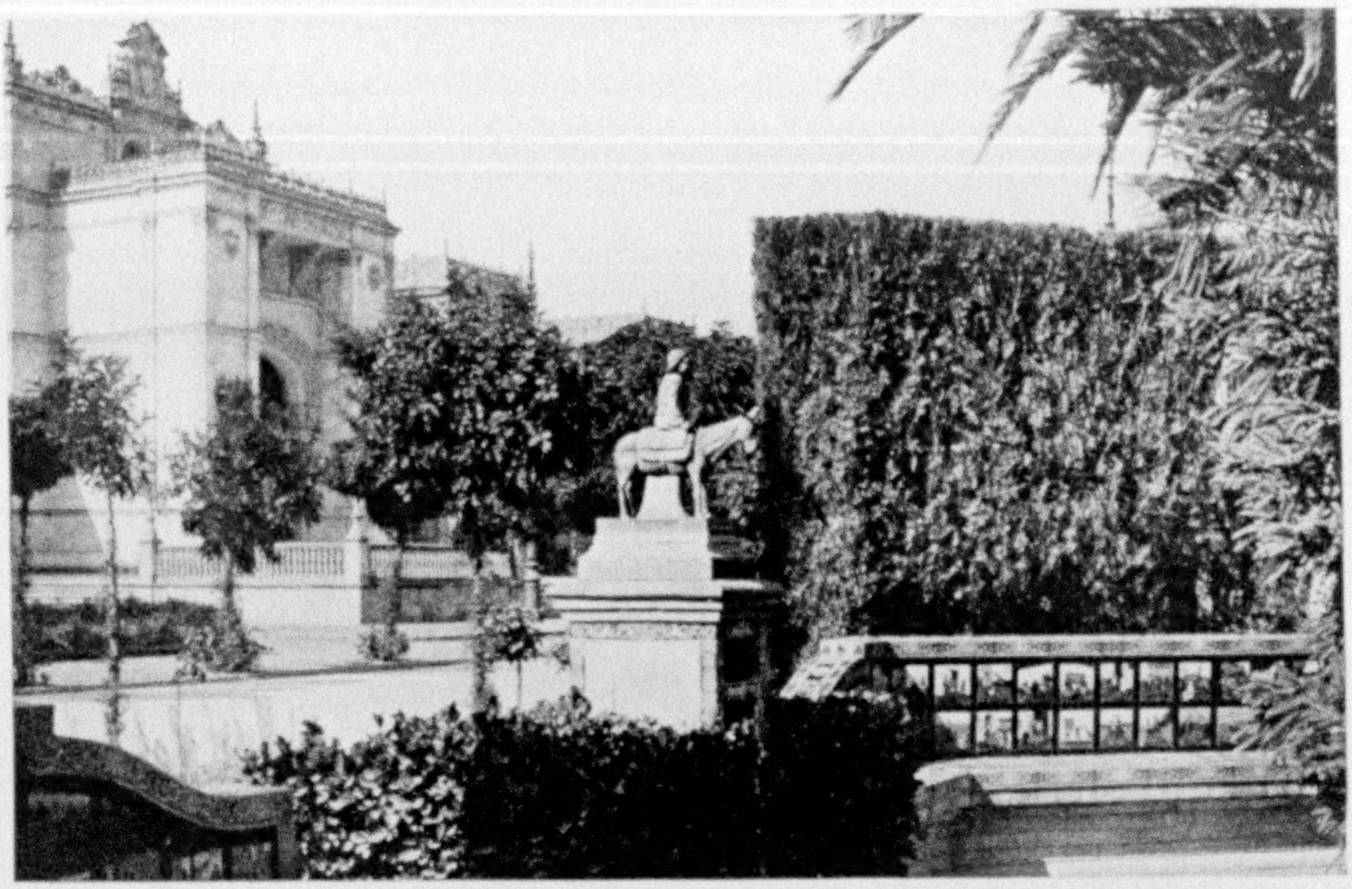
Photographs from Richard Ford

THE SPLENDID STAIRWAY OF THE HOUSE OF PILATE

One of the Dukes of Alcalá established a great library and museum here, in his home, which was a rendezvous for the artists and writers of Cervantes's time. The ceramic decorations of this stairway are among the finest in Spain (see, also, illustration, page 286).

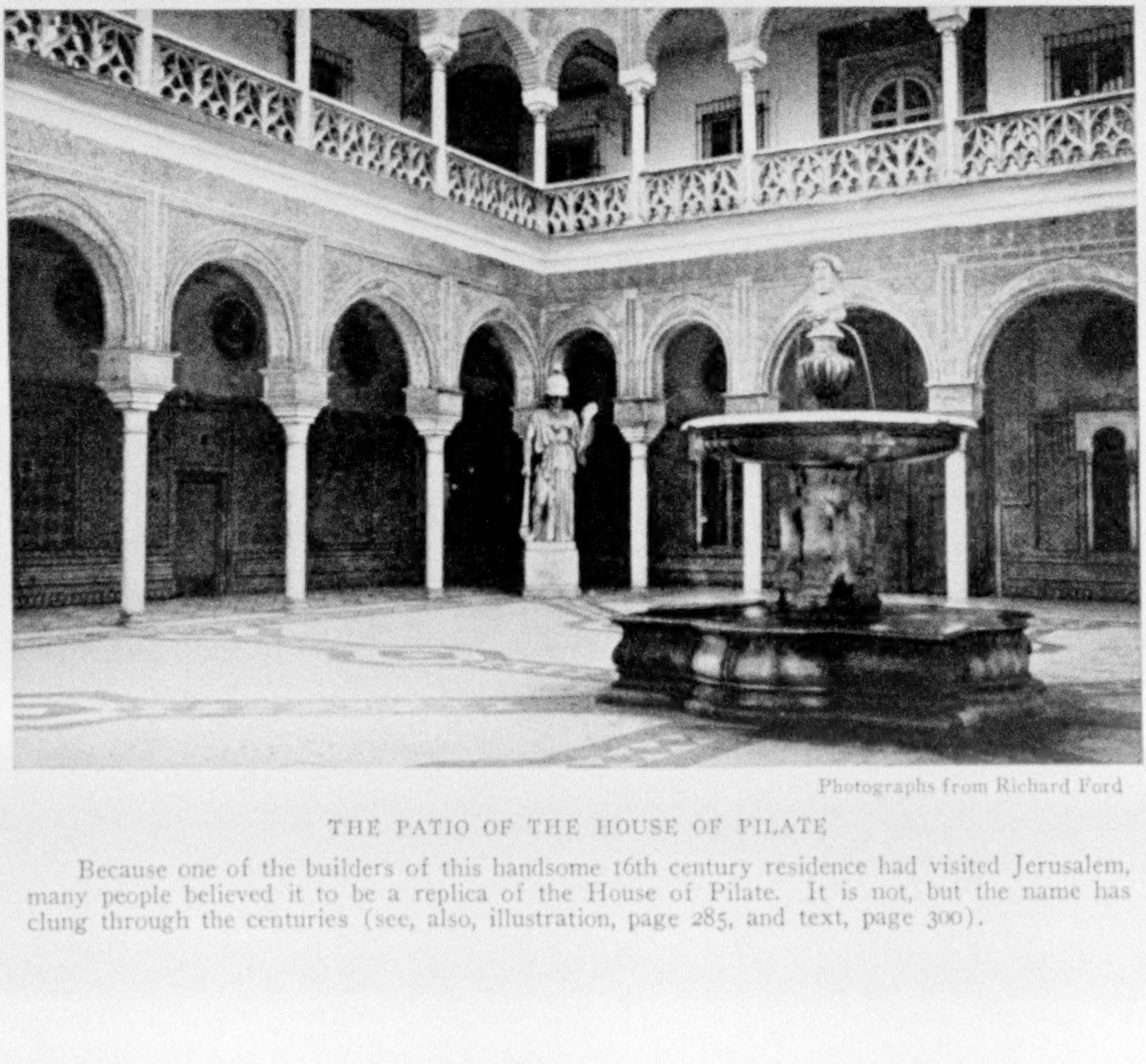
SEVILLE'S DREAM PALACE IS REDOLENT OF MOORISH DAYS

Beautiful Alcázar and its superb gardens have been successively changed by Christian kings until little remains of the original Moorish structure. The nucleus of the palace as it appears to-day was built by Peter the Cruel and Henry II in the Moorish style.



THE MEMORY OF SPAIN'S GREATEST WRITER IS ENSHRINED HERE

A nook in the María Luisa Park, Seville, is dedicated to Cervantes. The tiles of the benches depict scenes from the adventures of his famous character, Don Quixote, and the bronze statuette represents the redoubtable Sancho Panza. Several similar open-air "libraries," each devoted to one of Spain's famous authors, are a delightful feature of the park.



Photographs from Richard Ford

THE PATIO OF THE HOUSE OF PILATE

Because one of the builders of this handsome 16th century residence had visited Jerusalem, many people believed it to be a replica of the House of Pilate. It is not, but the name has clung through the centuries (see, also, illustration, page 285, and text, page 300).

There is no great mystery about it. It is very simple, fulsomely satisfying to its several members, and complete unto itself. It is a taken-for-granted part of existence and seldom enters into the discussions and activities of everyday life.

Foreign admittance thereto is not desired—indeed, is not comprehended — and in fact there is little social intercourse among the families themselves. Of course, there are exceptions, particularly among those folk financially in a position to travel extensively in foreign lands, where they adopt foreign customs; but the average home circle of Seville is a closed circle, to which there is little, if any, ingress.

Inquisitive minds wonder at such a bound-round existence; wonder how the members of Seville's old families, and especially the secluded women members, pass their time in the inner circle; wonder what, in the absence of house parties, interfamily meetings, and social gatherings, the folk of Seville do to exchange ideas and round out their knowledge of life in general. But that wonder invariably comes to naught when it encounters the courteous but inexorable barrier which separates the Sevillano's worldly suavity from the frank simplicity of his home life.

Photograph from Richard Ford

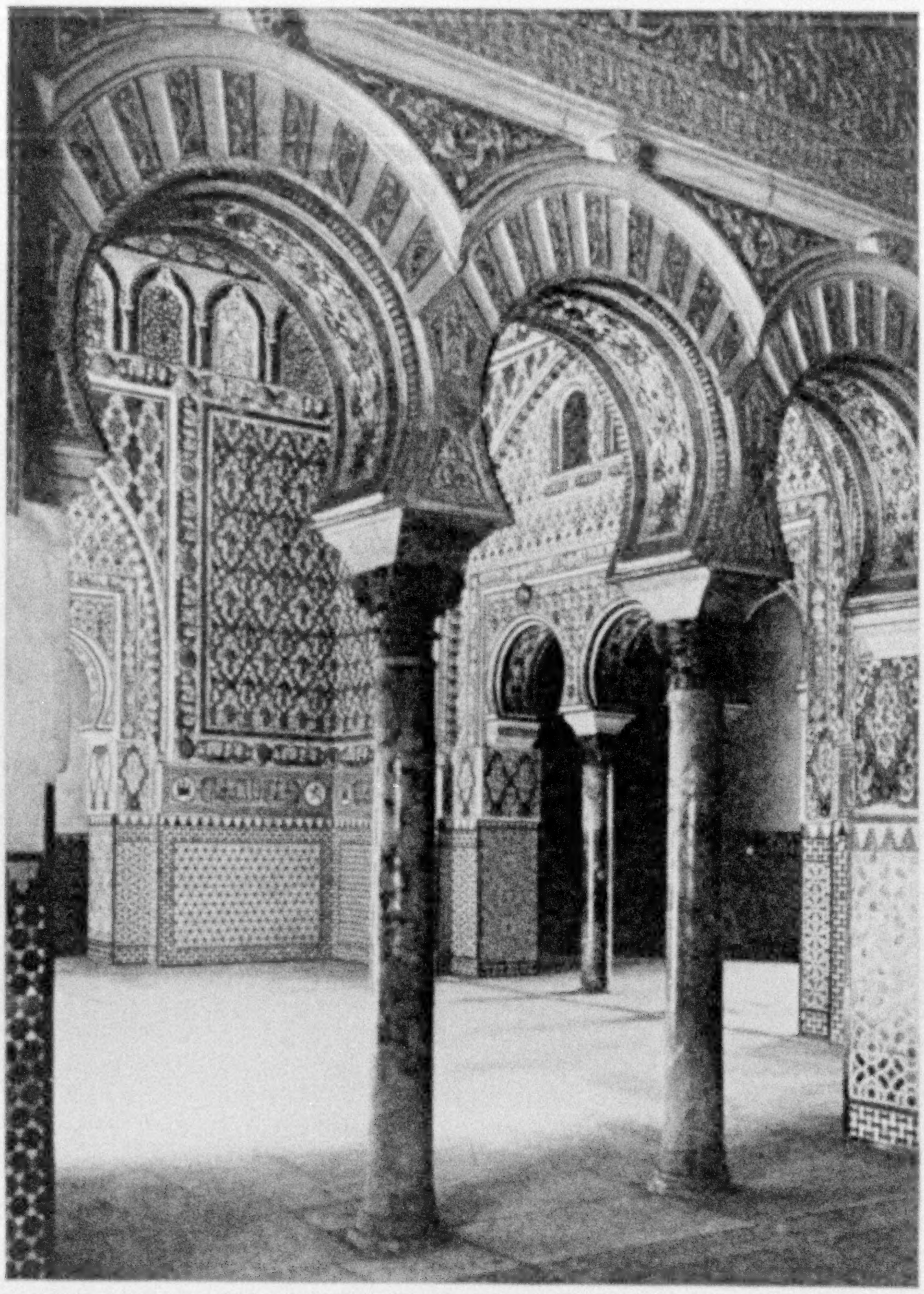
THE LOTTERY TICKET SELLER IS AN INSTITUTION THROUGHOUT SPAIN

There are three drawings, conducted by the Government, each month and a special Christmas lottery, in which the first prize amounts to about $2,500,000. Tickets for these drawings are sold all over the country, and on the appointed day, in Madrid, a little white ball bearing the lucky number is picked from among its myriad fellows as they revolve in a huge wire cage.

And so he who would the most sympathetically know Seville will not be overcurious regarding her carefully guarded secret, will not be offended when he is not admitted to the inner circle of family life, and, when he goes away, he will carry with him the knowledge that, while he has indeed failed to penetrate to the heart of the home, it is merely because he has been seeking after a sacred, inviolable part of the life of the people, has been desiring to tread on holy ground, has been asking for a glimpse of a treasure pedestaled in an enshrined part of that picture gallery called the human heart.

A MEAGER INCOME BUYS MUCH HAPPINESS

There is not much money per capita in Seville these days. To be sure, certain of the city's families are immensely wealthy and live in the style of oriental potentates and occidental plutocrats, while foreign residents are forced, for appearances' sake,



Photograph from Richard Ford

ALCÁZAR'S CROWNING GLORY, THE HALL OF THE AMBASSADORS

The walls of this exquisite 15th century chamber are dazzling in richness of color and design. It was the scene of a royal wedding when Charles V was married to Isabella of Portugal (see pages 285, 290).

to struggle along at a similar pace. But such folk are a statistical handful.

From that comparatively low social being, the singsong street salesman, whose finances are calculated in terms of the *perra gorda* and *chica,* on through the market-place or "so-many *reales*" class to the relatively wealthy persons, who speak nonchalantly of *pesetas* and *duros,* fully three-fourths of the town's population lives and has its being and is wholly happy on an income of around a dollar a day per person.

In many cases this income must cover the needs of an entire family, and some of Seville's families need much. But somehow there is always enough left over for the menfolk to afford a few hours each evening with convivial friends in a favorite coffee shop, and to secure a seat "in the sun" at the Sunday bullfight; and for the numerous children to purchase penny sweets, as occasion demands, from the howling huckster who passes the door each morning, accompanied by a congenial donkey laden with sticky lusciousness; and for the women of the family to have a new imitation tortoise-shell comb, a cobwebby lace mantilla, and a holeless pair of silk stockings—this last because the weaving of silk hosiery has in recent years become one of Spain's leading manufacturing industries.

Not much money, but it goes a long way and buys lots of happiness when one knows how and where to buy and appreciates what one gets. And, besides, there is always the bare possibility that one *might* win the lottery some day!

The people of Seville blend past and present in their dress and in many of their customs. The high Spanish comb and lace mantilla of olden times are still worn here, perhaps more generally than in any other city of Spain. But the comb is more often than not perched precariously in modernly bobbed hair, while the mantilla covers a beautiful head filled with decidedly up-to-date feminine thoughts and ideas (see pages 280 and 283).

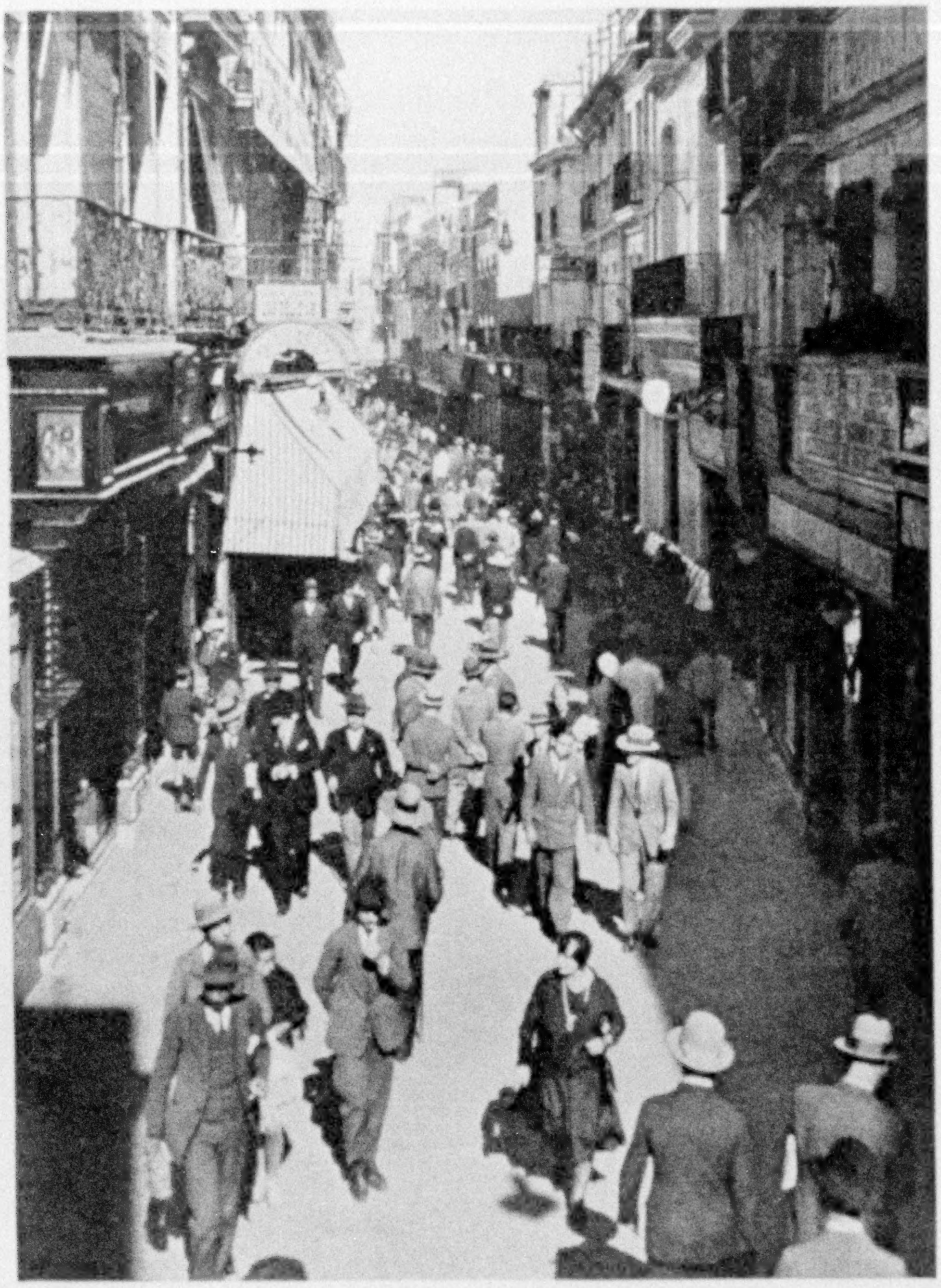
The women have long since discarded the silk shawls and flounced dresses of the past in favor of short skirts and simple frocks of Parisian cut, and it is only on feast days and special occasions that one comes forth in the picturesque but cumbersome costume of her forbears (see Color Plates VI and VIII).

And the men's traditional dress — the rakish flat sombrero, short jacket, and close-fitting trousers that one frequently associates with the dashing masculinity of Spain— has long since been lost in the influx of European and American styles, although here again a holiday or bullfight will serve to resurrect an infrequent relic of yesteryear.

CREAMY COMPLEXIONS ARE A HERITAGE FROM MOORISH DAYS

Racially, the people owe much to the Moorish residence in southern Spain. Brilliant black and brown eyes and complexions ranging from darkest sepia to the most delicate of creamy textures are strangely reminiscent of long generations of ancestors who dwelt beneath the Sahara sun. Intermingled with this great majority, however, one finds an increasingly large percentage of the blue eyes and light hair of more Anglo-Saxon communities.

The language hereabout is fundamentally Spanish, but on the street it amounts to an Andalusian patois which those deeply versed in pure Castilian pretend to understand but indifferently. The final "s" is an aggravating superfluity with the average Sevillano, and he insists further upon not taking too seriously many of the more involved letters and syllables of the purer tongue. It is, in fact, a situation closely paralleled in the United States, where the northerner endures with arched eyebrows the unusually broad accents from below the Mason-Dixon line.



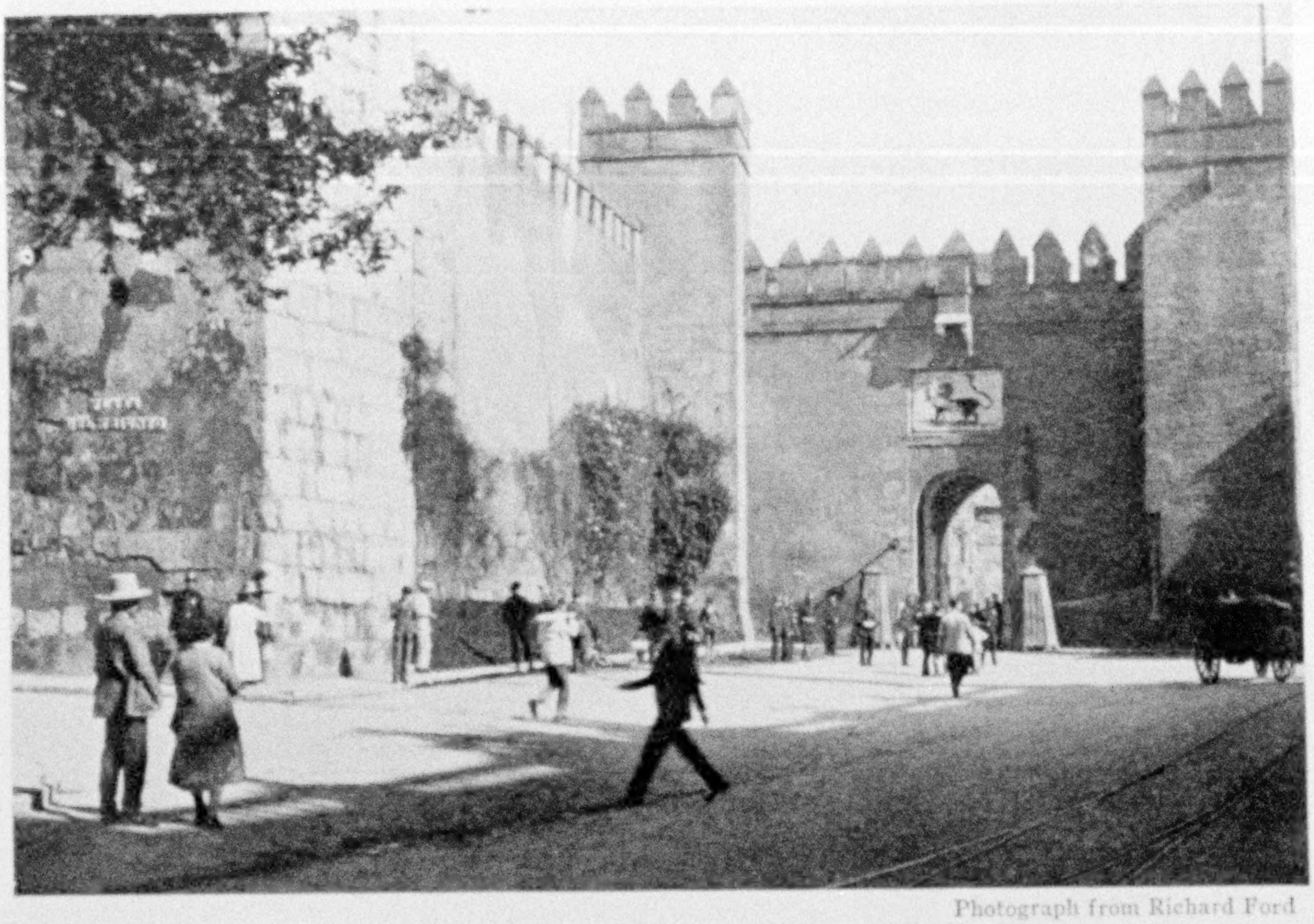
Photograph from Richard Ford

NO VEHICLES TRAVERSE THE "STREET OF THE SERPENTS"

This pedestrian's paradise is a narrow but highly animated way, where many of the fine shops, cafés, and clubs are located. It gets its name from the serpents on one of its tavern signs.

THE OLIVE CENTER OF THE WORLD

Seville is an industrious city and particularly so just now, with final preparations being made for the opening of the first international exposition in its present-day history (see text, page 300). Many of the city's activities revolve about the production and shipment of pickled olives and various grades of olive oil, for it is the central point of distribution for the richest olive-producing area in the world.



Photograph from Richard Ford

THE GATE OF THE LION

This is the royal entrance to Alcázar, the home of the King of Spain when he visits Seville. Although the interior, in the course of centuries, has been much restored and remodeled, the embattled towers and grim masonry walls of the exterior retain the aspect of a medieval castle. Sevillanos insist that it is the oldest palace in Europe still used as a residence (see, also, illustrations, pages 285 and 288).

There is an ancient local saying that the only genuine Queen olives produced on earth are grown within seeing distance of the Giralda Tower, the soil and climate of this region being particularly well suited to the full maturing of this class of the fruit.

The commerce of the community, however, is not wholly agricultural. Much of the cork insulation found in our modern electrical refrigerators and many of the cork disks in the metal caps of ginger ale—and other—bottles were shipped from the port of Seville; and the Sevillano tile and pottery industry is known wherever ceramic beauty is appreciated. The world also acknowledges no wrought iron more artistic than that fashioned by the gypsy families of Triana (see text, page 279).

It is interesting to know that these latter industries frequently represent the accumulated knowledge of several generations of potters or iron workers, the manufacturing processes and trade secrets being handed down from father to son, with the result that when the family line runs out, as it sometimes does, that particular make of tile, pottery, or artistic iron ceases to be manufactured, and thus becomes the legitimate prey of the antique dealers.

MANUFACTURE OF "ANTIQUES" IS A MAJOR INDUSTRY

And these Seville antique dealers! The resurrection and, if the truth must be known, the contemporary manufacture of "antiques" constitute one of the city's leading industries.

The score and more of antique shops in Seville have long been the mecca of collectors from all parts of the world, with the result that many tons of old Spanish furniture, iron grilles, paintings by old masters, moth-eaten hangings and draperies, ancestral silk shawls, ceramic tile the secret of whose soft glaze has long since been lost, anciently wrought pottery, and many other highly prized objects are shipped each year from Seville.

And no doubt many more tons remain to be found, bargained over, and eventually purchased, although it is well for the prospective buyer to remember that clever wormholes do not for antiquity make, nor rust-crusted iron bars for age.

This reflection brings to mind the old story (itself an antique!), heard wherever the sale of antiquities has been developed into a fine art. The local version has to do with a young foreign student temporarily sojourning in Seville, who considers himself something of a connoisseur in the matter of old Spanish pottery.

One day he happens to pass the cluttered window of an antique shop and notices there, all but hidden by the bric-a-brac bestrewing the showcase, a certain blue bowl, fascinating despite a thick layer of dust. A moment he studies it, and then, feeling that here indeed is a "find," he straightway goes inside.

Photograph from Richard Ford

STATUES OF HERCULES AND JULIUS CÆSAR LOOK DOWN ON SUNNY SEVILLE

These columns have stood in the Alameda de Hercules since 1574.

But the grizzled old shopkeeper, while gently courteous, is firm withal and refuses to be tempted by an offer of 50 pesetas, declaring with many gesticulations that the price cannot possibly be a centimo below a hundred.

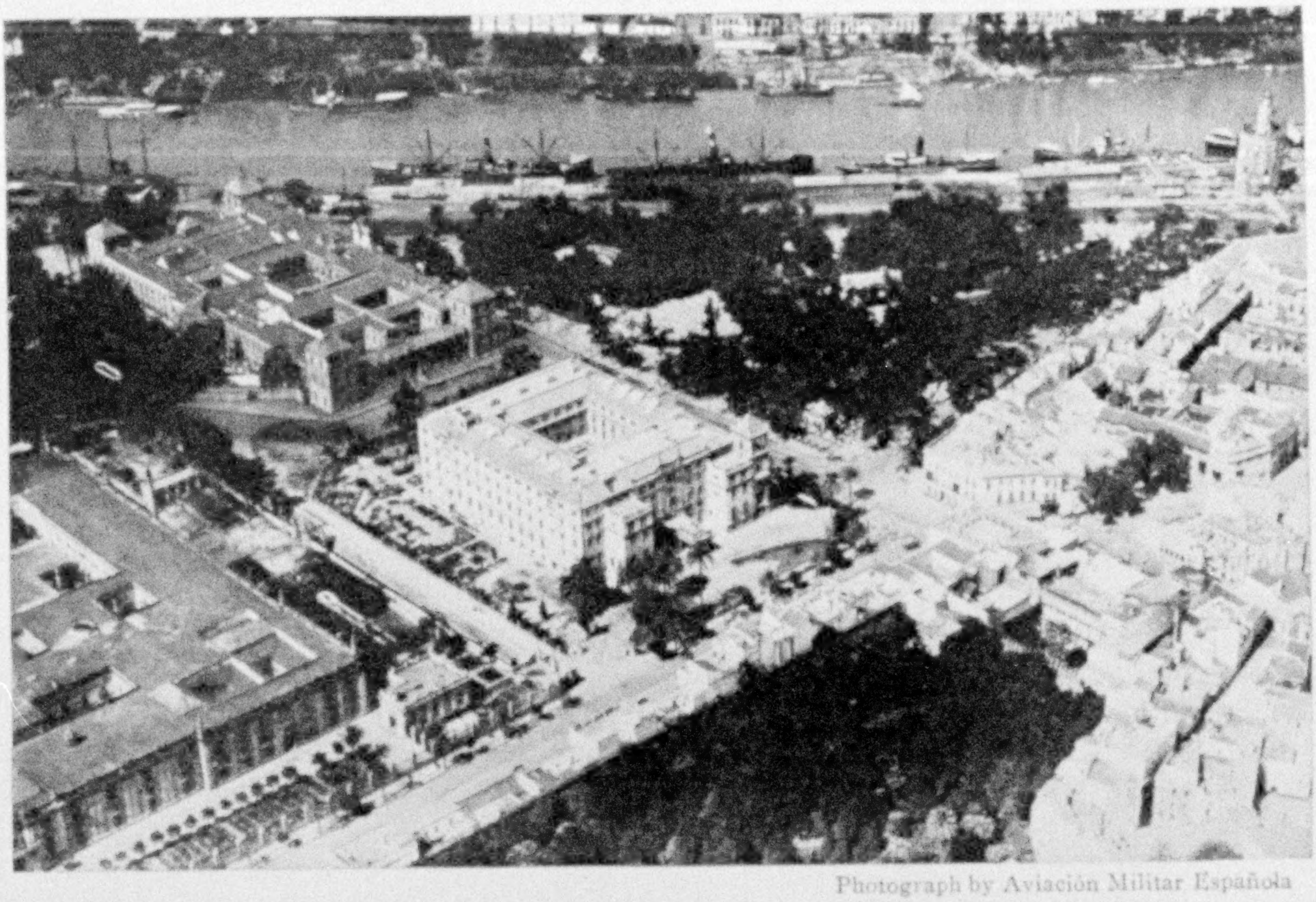
Then weeks of haggling follow, during which time the pride of possession enters deep into the soul of the student, while incidentally the shopkeeper comes down to 75 pesetas.

And then, just as the youth is on the point of leaving Seville and while he is still debating that extra 25 pesetas, black disaster falls: Two wealthy tourists enter the shop and from beneath the very nose of the covetous collector carry the blue bowl away in triumph, having without demur paid the original price of 100 pesetas.

His voice trembling with disappointment, the student turns wrathfully on the old shopkeeper. "You sold it for 100, and yet you offered it to me for 75! And just as I am leaving, too!"

"You are leaving Seville, señor?" Twinkling old eyes regard blazing young ones. "Then, *amigo*, come with me. You have been a good boy and . . ."

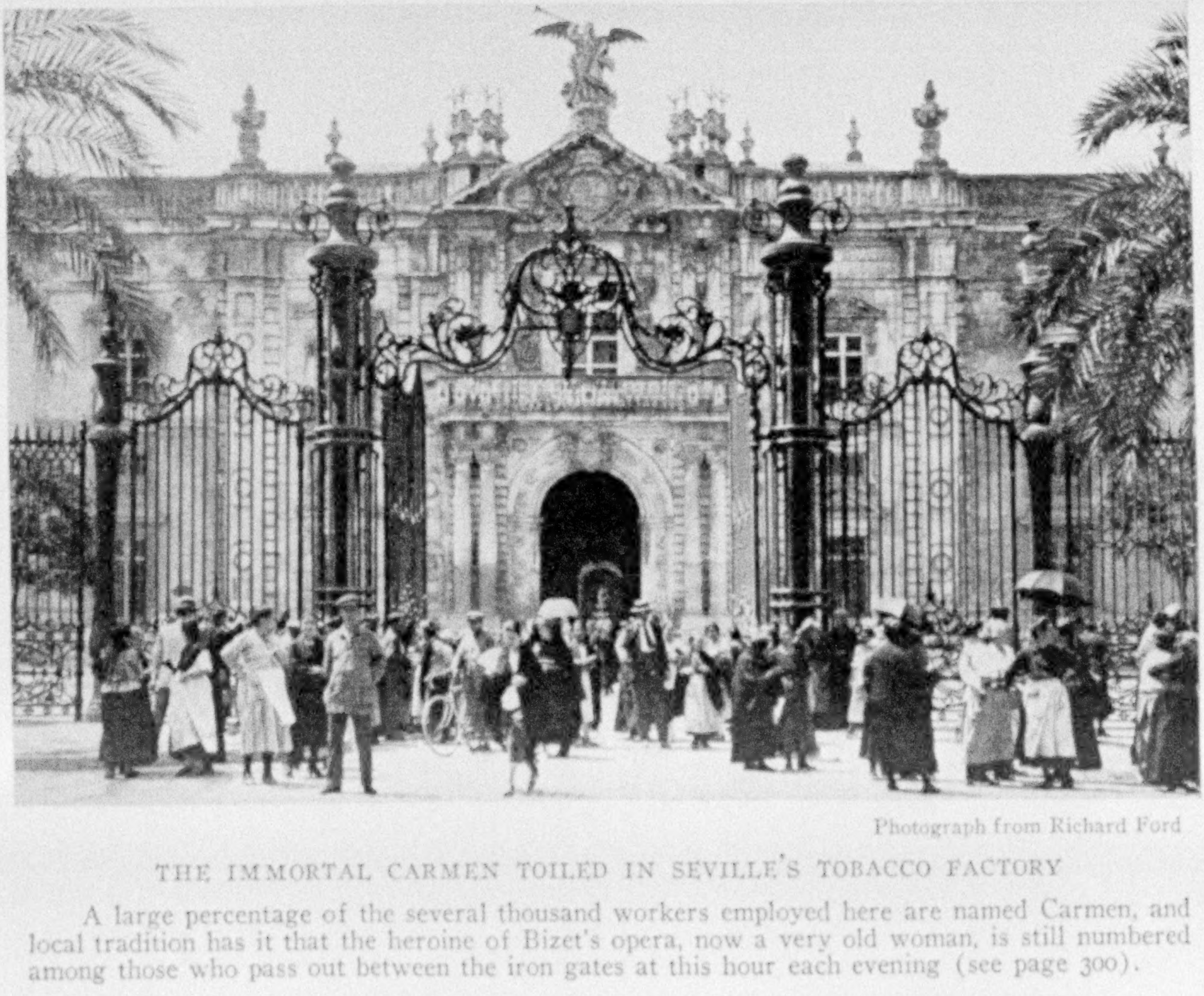
Through a mysterious door at the back of the shop and into an unexpectedly large,



Photograph by Aviación Militar Española

MODERN AND MEDIEVAL SEVILLE SIDE BY SIDE

In the center is the new Hotel Alfonso XIII, with the seminary of San Telmo beyond. In the left foreground is the famous tobacco factory (see below), and in the upper right corner the Tower of Gold, through which the wealth of the Indies once passed.



Photograph from Richard Ford

THE IMMORTAL CARMEN TOILED IN SEVILLE'S TOBACCO FACTORY

A large percentage of the several thousand workers employed here are named Carmen, and local tradition has it that the heroine of Bizet's opera, now a very old woman, is still numbered among those who pass out between the iron gates at this hour each evening (see page 300).

Photograph by Gertrude Lowy

ANDALUSIA'S SUNSHINE IS REFLECTED IN THEIR SMILES

Holiday groups come from far and near to attend the great fair held in Seville at Easter. After the religious observance of Holy Week, all gloom is cast aside and every amusement dear to the Spanish heart is indulged in.

well-lighted room the student is conducted. There, after the old man has carefully unlocked a mammoth cabinet of carved wood and thrown back the doors, are discovered dozens of blue bowls standing in neat and silent companionship, each an exact replica of the "find" in the window.

"Because you have been a good boy and did not tell the people of my lower offer to you, I have the great honor of presenting you with one of these. No, amigo, *you* shall not pay. And see, you and I are great friends, no? You say you are leaving Seville to-morrow? Then I shall show you my greatest treasure."

A very small cabinet is thereupon reverently approached, gingerly opened, and nestling on a velvet cushion is an exquisite blue pitcher.

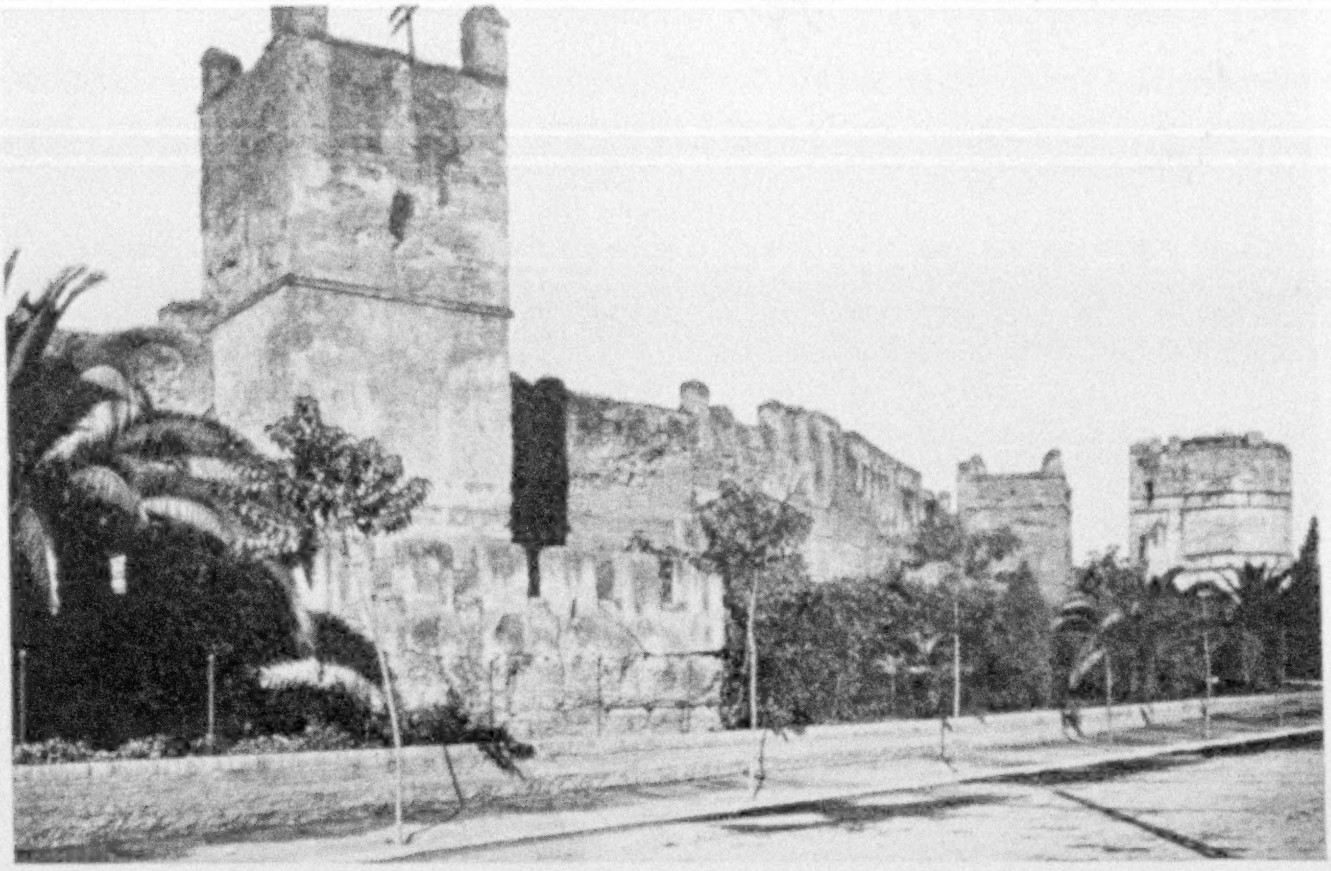
"Quite perfect, is it not, señor, save for that infinitesimal chip out of the lip? But it is old, my friend, centuries old. And I must tell you a very pretty romance about how it received that tiny blemish."

After hearing the story and with difficulty overcoming the old man's dogged resistance, the youth is finally permitted to purchase the pitcher for 75 pesetas, but only because "he has been a good boy."

There is a sequel to the story. The student, returning unexpectedly to Seville some days later and chancing once again to pass the antique shop, beholds there, all but hidden by the jumbled odds and ends of antiquity, sadly forlorn, a little blue pitcher, quite perfect save for a scarcely noticeable blemish in its dust-laden lip!

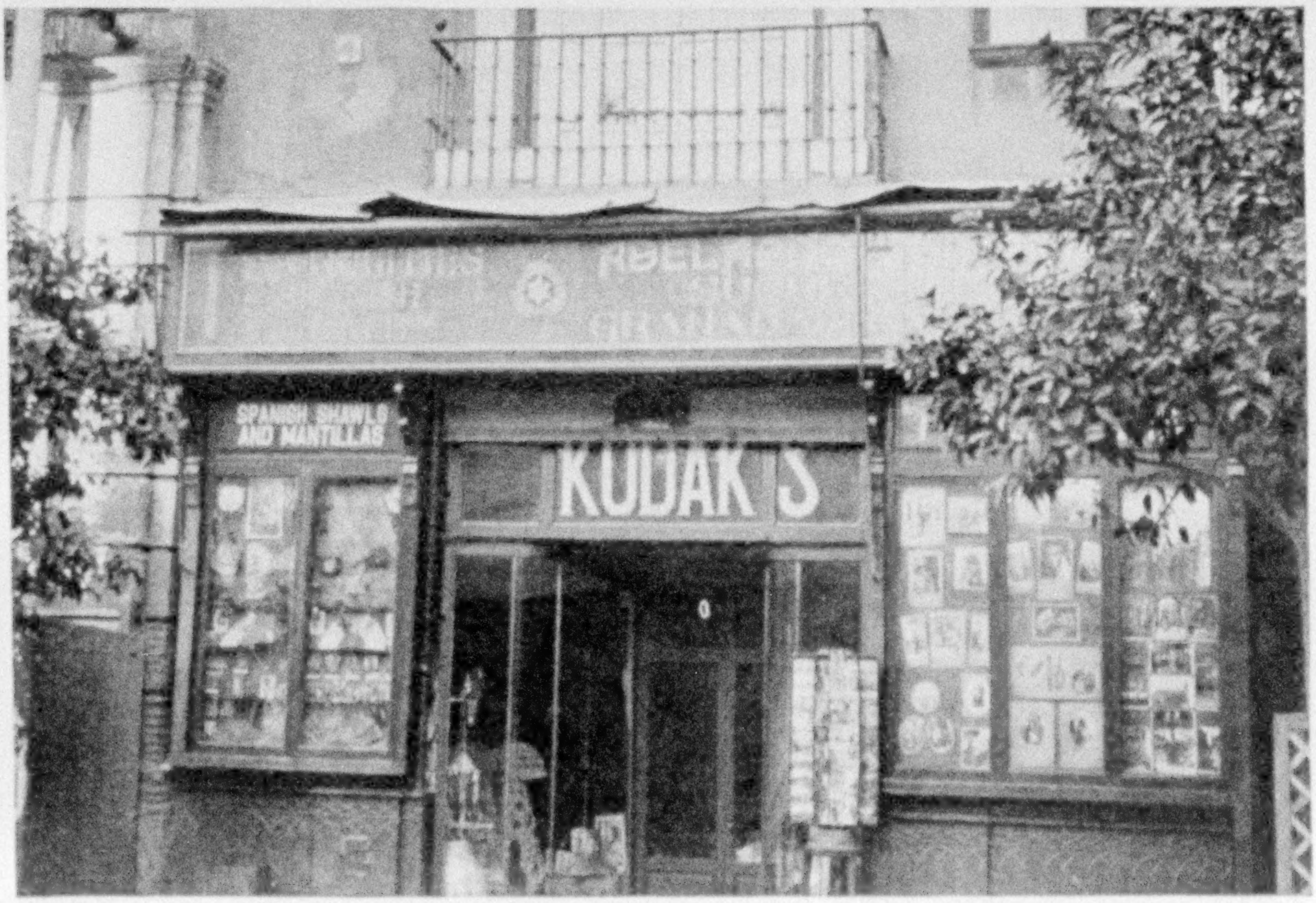
INDUSTRY NEVER INTERFERES WITH TIMES OF RELAXATION

Seville's industries, however, are not permitted to interfere too radically with her moments of rest and relaxation. Long hours of labor do not lap over into longer



THE CITY HAS LONG SINCE OUTGROWN ITS WALLS

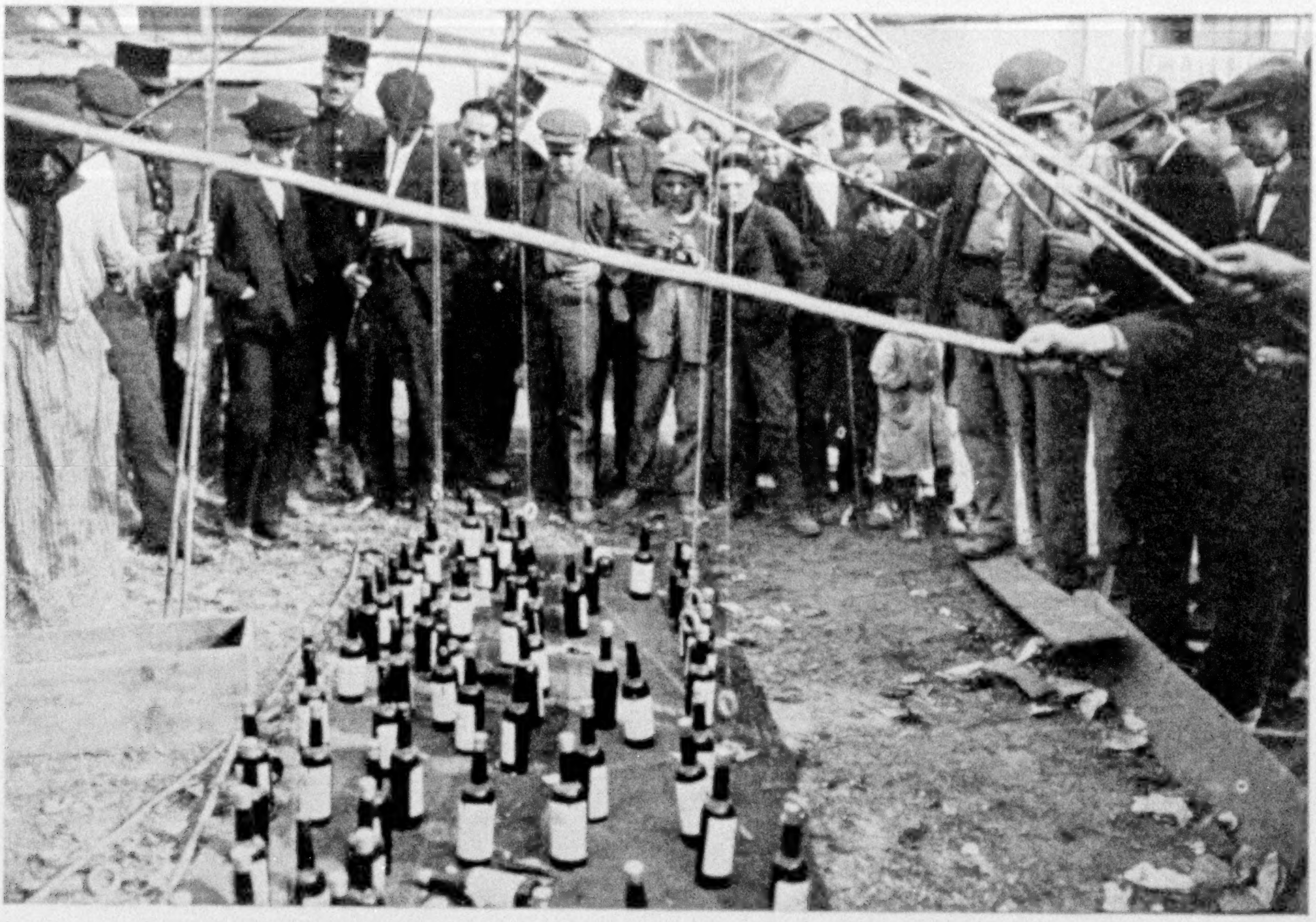
Seville was an important Iberian community and was strongly fortified by the Romans when their conquering legions spread over the Peninsula (see, also, page 278).



Photographs from Richard Ford

COLLECTORS FROM ALL THE WORLD COME TO SEVILLE'S ANTIQUE SHOPS

Tons of beautiful old furniture, paintings, ironwork, and ceramics are shipped from Seville each year. The way is often made easy for the foreign buyer by the announcement in his own language of the things for sale (see text, page 290).



A SPANISH VERSION OF THE GAME OF "FISH POND"

Each participant pays a small fee for the privilege of "fishing." He is supplied with rod and line, with a ring attached to the end of the latter. His aim is, within an allotted time, to slip this ring over the neck of one of the bottles of wine, which then becomes his property. The game is popular at fairs and carnivals.

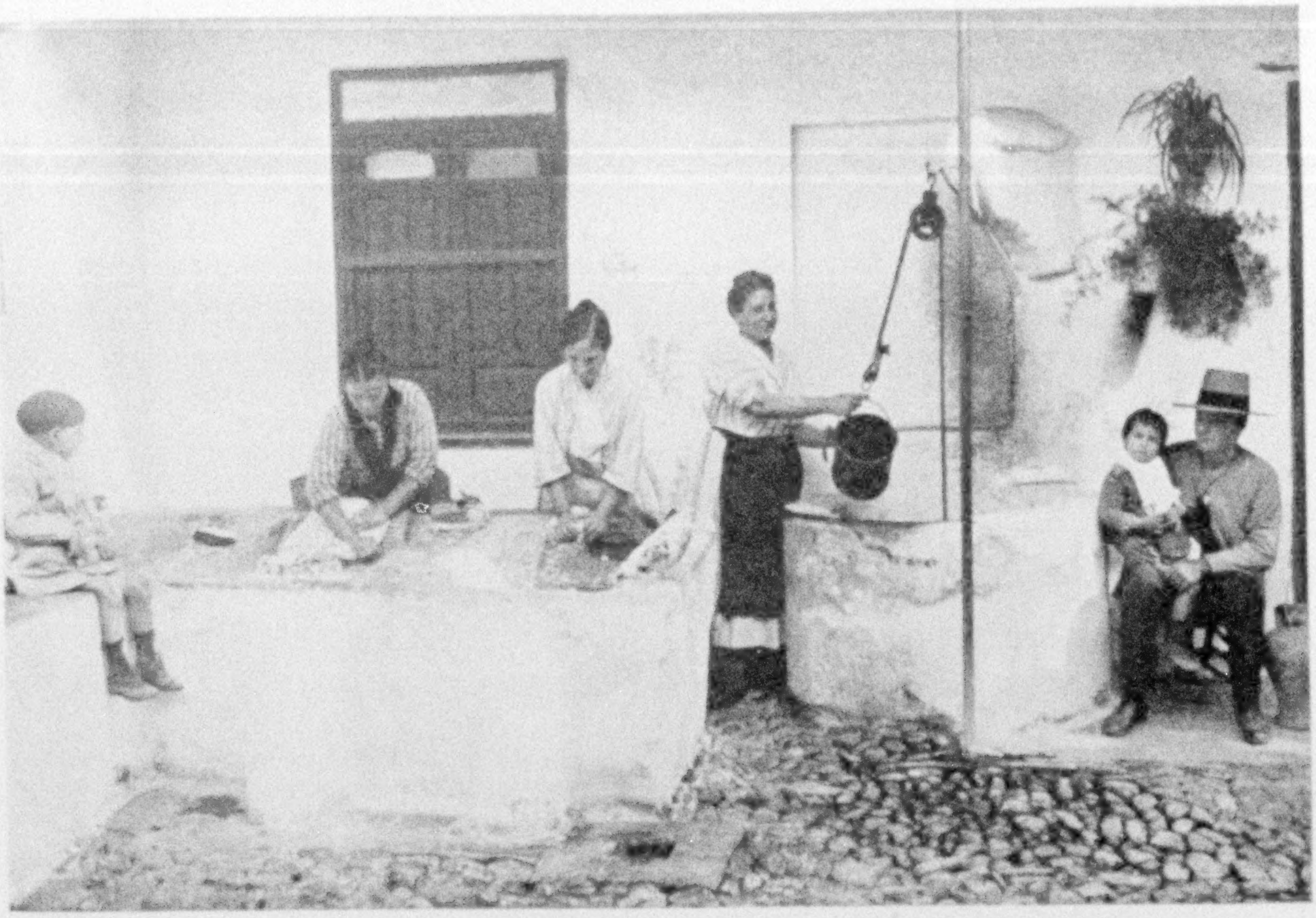
hours of conviviality. Every coffee shop (and there are scores of them in Seville) is a noisy stamping ground, humanity-choked, from early in the afternoon until long after midnight. Indeed, one may pass at any time during the day or night and see gesticulating knots of men crowded about cup-cluttered tables, talking, talking.

Always the folk of Seville talk—rapidly, energetically, ceaselessly. Much real business of a local nature is transacted in the course of the endless conversations. Country people arrange the sale of their farm produce and cattle; many small trades are made in which, after some hours of conversational elaboration, the honors are about even between the smooth-tongued townsman and the more credulous but equally artful man from the hills; parcels of grapes and olives and oranges and figs orally change hands. But for the most part business is but incidental, and sidewalk cafés and club lounges give themselves over to current items of general interest.

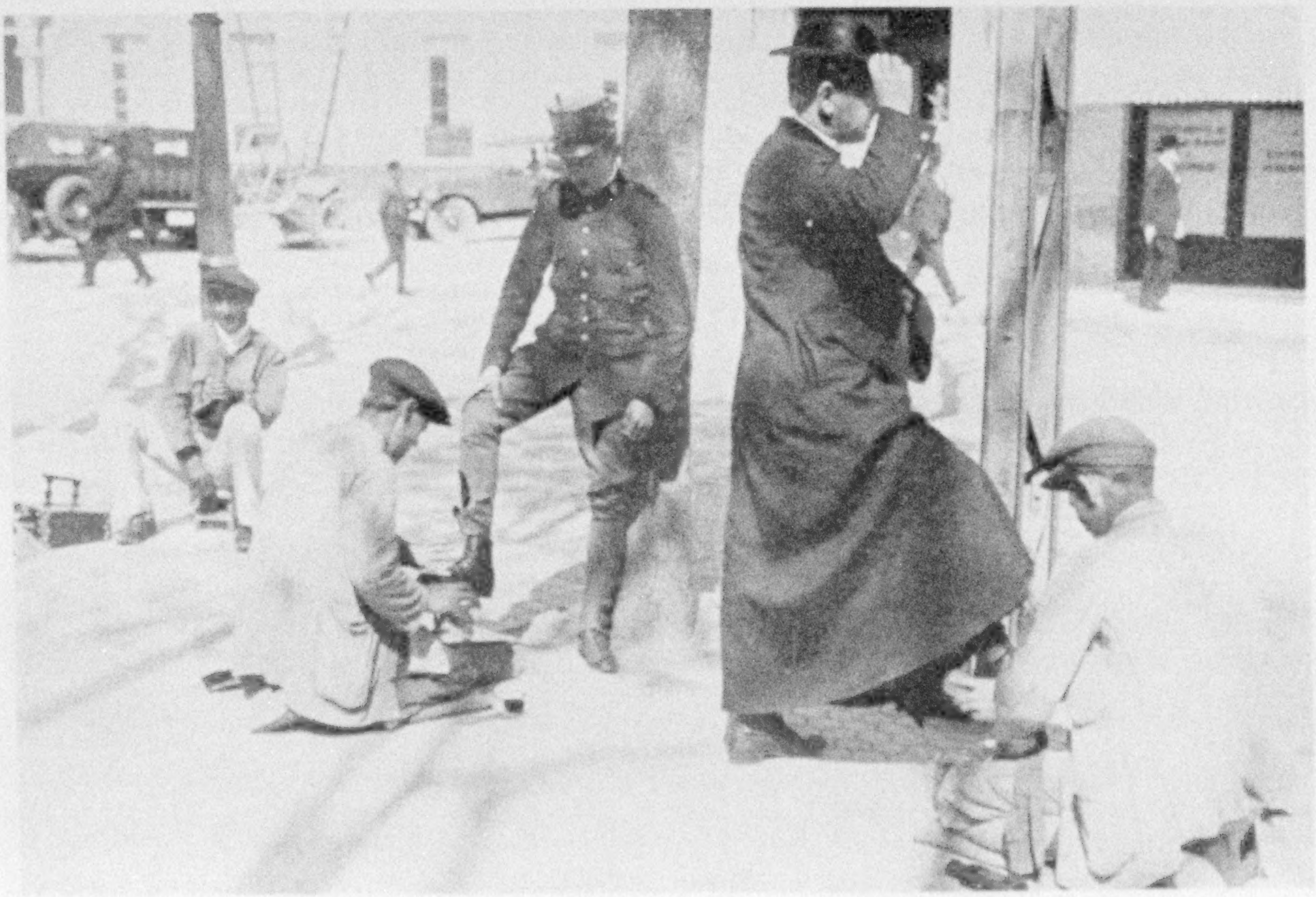
Just now the approaching Exposition is food for much talk; or perhaps the discussions revolve momentarily about a new dancer at the Variedades, or the Kursaal, or another of the town's several variety theaters; or the talk is of a forthcoming fiesta, or of this week's fiesta, or of last week's fiesta.

If a bullfight is near at hand, the respective merits of the several fighters on the program are carefully dissected and reassembled, always with the tacit understanding that, no matter how good he may be, no fighter can approach in perfection one Joselito, killed in the bull ring several years ago, but still regarded by the present generation of bullfight enthusiasts as the greatest matador of all time.

Always they talk, the Sevillanos, the while they nibble bits of dried ham, or spiced olives, or potato chips and sip their steaming coffee. They are abstemious otherwise. Perhaps one may occasionally ask for a vermouth, which he proceeds wholly to drown with charged water from the ubiquitous siphon; and on hot days

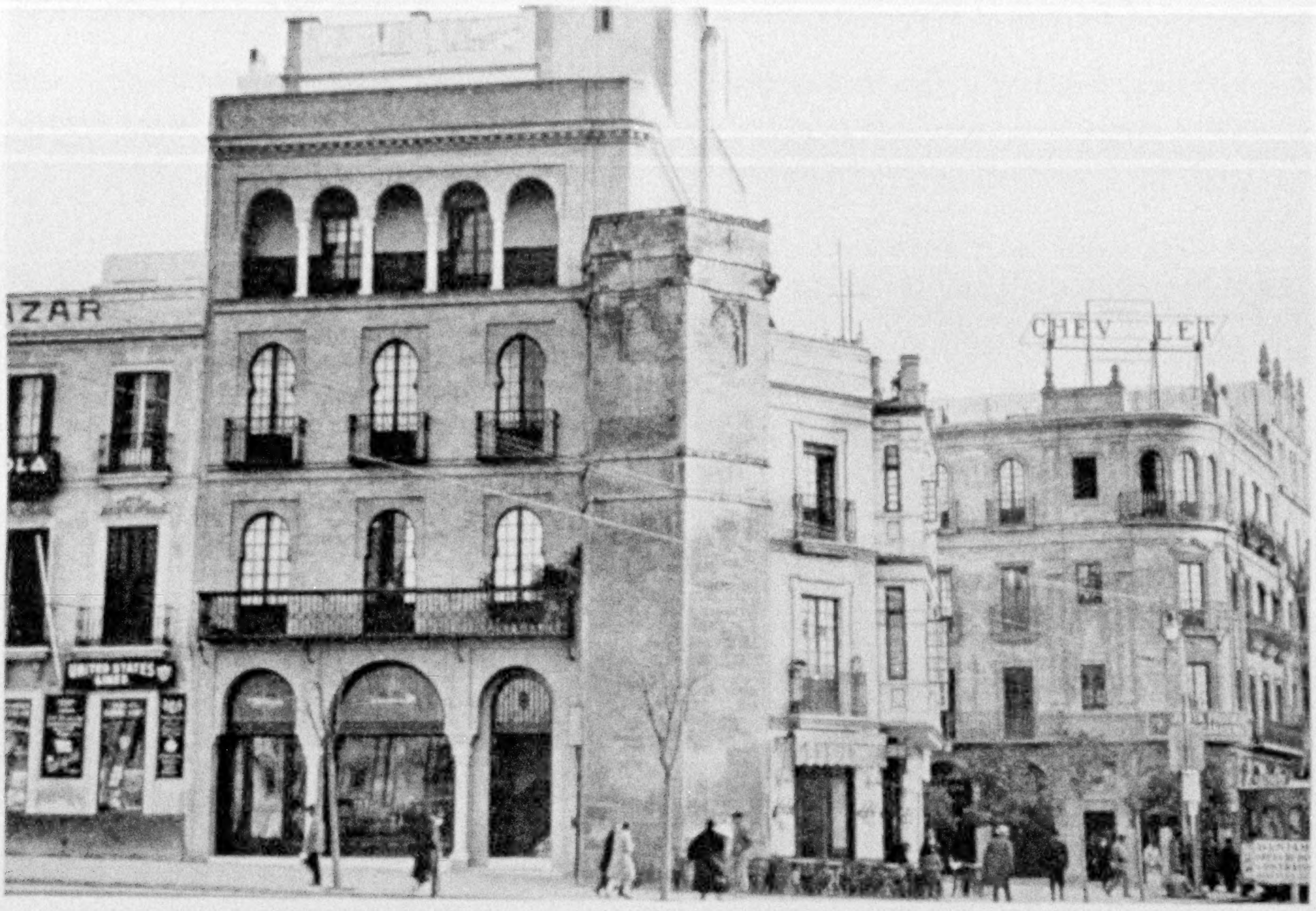


WASHING IS DONE BY HAND IN SPAIN



WHERE SHOE-SHINING IS A FINE ART

The bootblack's profession is well represented throughout Spain, but the heavy dust that settles on Seville in the summer months makes that city a Mecca for the trade. A shine, than which there could be none better, may be had for three cents. In all probability the shiner will also try to sell you a bit of smuggled tobacco.



Photograph from Richard Ford

ENCROACHING MODERNITY STRUGGLES AGAINST THE LONG AGO

The tower of the unfortunate Abd el-Aziz is flanked by the offices of a United States shipping company on one side and the salesroom of an American motor car on the other. When the gates of Seville were opened to the Moors under Musa, A. D. 712, his son, Abd el-Aziz, was made the first Emir. During his short reign he introduced Moorish architecture in Spain, reconstructing a monastery into a mosque. The Emir fell in love with and married the widow of Roderick, last of the Gothic kings, and, owing to fears regarding her influence over him, his death was brought about. Assassins, acting under orders from Damascus, surprised him one morning in the tower while he was engaged in his orisons to Allah, and without more ado beheaded him.

tall beers are sometimes in evidence; but anything approaching intoxication is so rare in Seville as to be an oddity for small boys to jeer at, men to look strangely self-conscious about, and women to avoid by stepping carefully to the opposite side of the street.

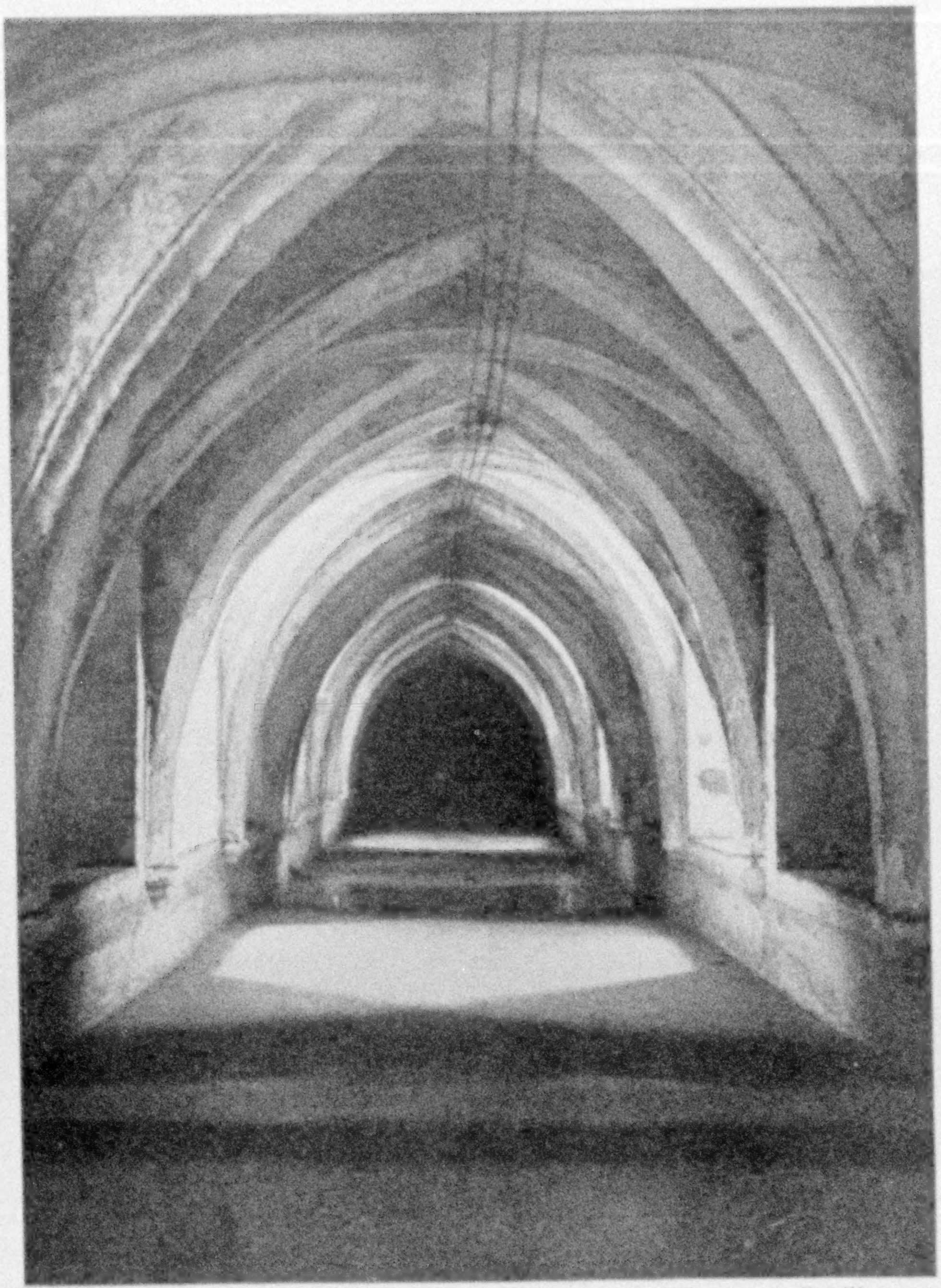
These talkative gatherings are wholly a man's world. The feminine portion of Seville remains at home. Sometimes, in the hot summer months, the ladies may accompany husbands and brothers to one of the many open-air motion-picture shows located throughout the city, and in the spring and autumn the afternoon "paseo," with perhaps a dish of ice cream and a little round mound of sweet cakes, and even a theater party afterward, is a daily custom in which the womenfolk participate.

But, as a general rule, one rarely sees unaccompanied women on the streets of Seville, unless they be servant girls hurrying to and from market, or persuasive old women with lottery tickets, who assure each of their intended victims that this particular ticket is verily the *gordo,* which means the big prize (see page 287).

THE BULLFIGHT STILL REIGNS SUPREME

On Sundays there is the bullfight, still the national pastime of Spain.

Reports have recently gone forth that the popularity of bullfighting is on the wane, and indeed much interest is being displayed in the game of association football, introduced into this particular part of the kingdom nearly 40 years ago by an English mining company, in the Province of Huelva. But, all reports to the contrary notwithstanding, bullfights still reign supreme. From the first fight of the season, on Easter Sunday afternoon, on through the summer, until the cold, wet



Photograph by Reportaje Zubillaga

THE BATH OF DONA MARÍA DE PADILLA

Beneath this vaulted roof in Alcázar the beautiful morganatic wife of King Peter the Cruel was wont to bathe with her ladies.

days of early October, the bull ring in Seville is assured of a capacity attendance for every Sunday and holiday event.

It is an audience composed of 14,000 umpires, and the toreador who would please so much discrimination, particularly in Seville, must be clever indeed. Each critic is convinced that he is a past master in the art of judging a fighter's skill, and he is ever ready to shout and whistle and even to enact his displeasure if the man in the ring does not give of his best. On the other hand, courage is instantly applauded, and if courage go hand in hand with cleverness, then indeed is there pandemonium.

The bull likewise comes in for his share of applause or condemnation, depending upon his reaction to the toreador's incitements. In fact, one has the feeling that the audience is there in the ring with the fighter. The bull is the enemy, but a highly respected one, who, if he be brave, is secretly admired, but none the less relentlessly resisted.

A poor display of skill on the part of the fighter seems to be a reflection on the spectators themselves, and the resultant outpouring of displeasure is but the crowd seeking to cover its own embarrassment and chagrin.

Success is the spectators' success, and the uproarious applause is but a cloak for self-congratulation and, incidentally, relief that the enemy has been subdued. Perhaps, in its entirety, the fight is a kind of safety valve for inhibitions that a half dozen questing, restless, racial life-streams have contributed during the past centuries (see, also, text, page 277).

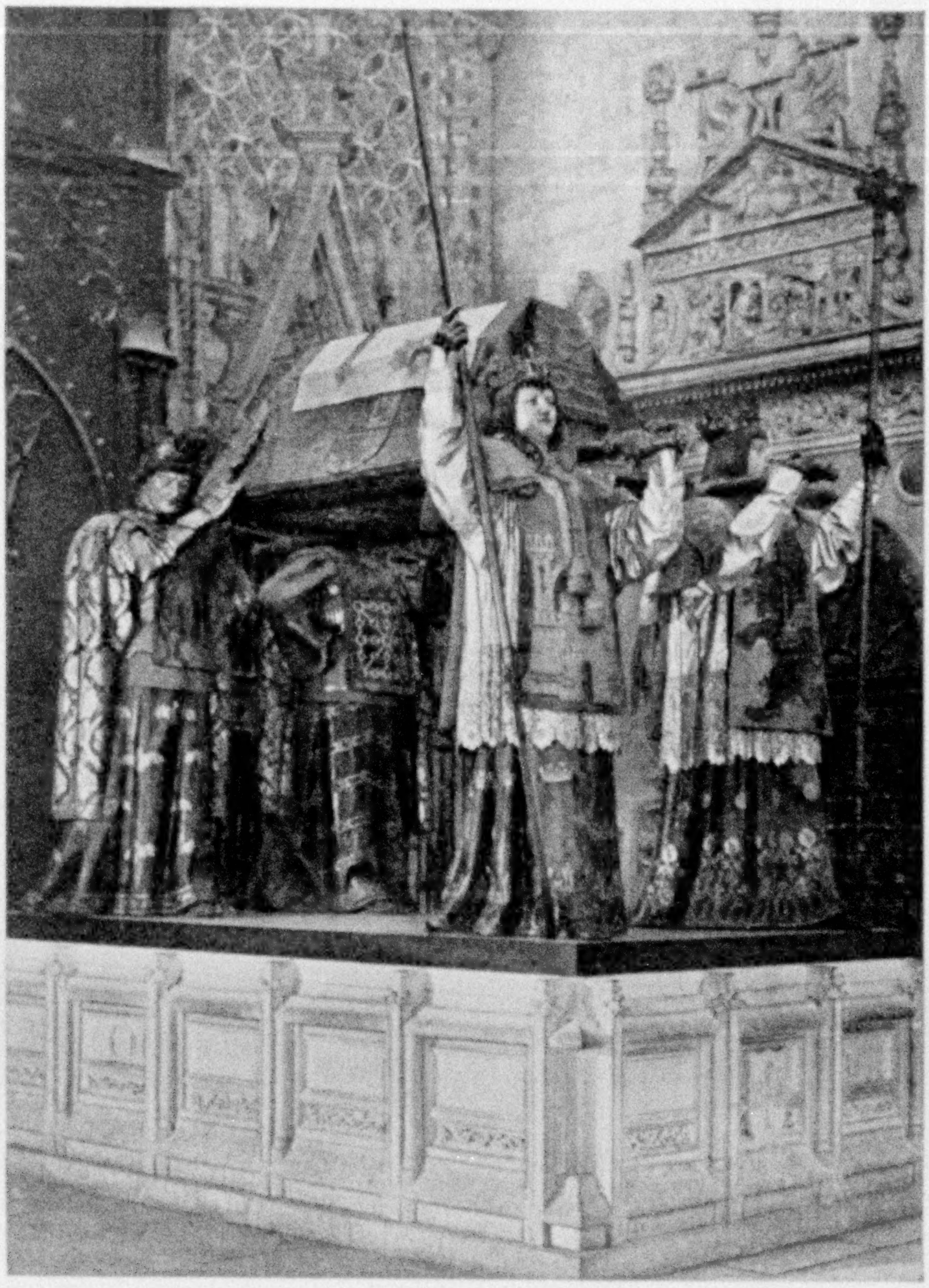
THE VISITOR WANDERS THROUGH CENTURIES

But, while the bullfight is a very vivid and colorful part of the life of the Spanish people, Seville is most beloved of the tourist for its many historical buildings and timeworn traditions. The majority of itineraries unfortunately call for only a few hours in Seville, or at best for a day or two; and thus the visitor engages in a hectic rushing from one place of interest to another, an ever-ready red Baedeker clutched in one hand and a shabby camera in the other, with a consequent sadly jumbled notion of the city's treasures crammed into his head.

But those who are favored with more leisure may spend an entire day in Alcázar and its gardens, wandering from one century to another, from one race's remnants to another's present keepsakes, seeing here the now-dilapidated bath of María de Padilla (see page 298), there the jealously guarded suite of Peter the Cruel, and beyond these the richly embellished Hall of the Ambassadors, and yonder the towers of the Gate of the Lion, where shadows become softening searchlights revealing the beauty that crumbling masonry creates.

Or they may climb the winding ramp of the Giralda, that geometrical masterpiece of the Moors. In the tower they may commune with a veritable family of great and little bells, see all of Seville at their feet, and discover that much of the city's life is lived on its beflowered housetops.

Thereafter they may spend long minutes in the vast Gothic Cathedral, and find there untold riches in jewels accumulated by devotees. They muse before the tomb of Columbus (knowing, too, that Santo Domingo



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THE TOMB WHERE REPOSE THE ASHES WHICH SPAIN BELIEVES TO BE THOSE OF CHRISTOPHER COLUMBUS: SEVILLE

Years after the death of Columbus at Valladolid, Spain, his ashes were taken to Santo Domingo and interred beneath the major altar of its cathedral. Other members of his family also were buried there. Later, when England threatened the island, all identification marks were obliterated. Still later, when Santo Domingo was ceded to France and Havana became the center of Spanish administration in the New World, what were believed to be the remains of Columbus were removed to Havana and placed in a little chapel especially built for them.

At a subsequent date, in repairing the Santo Domingo Cathedral, a leaden box was found containing on the outside the inscription, "D. de la A. Per. Ate." (Discoverer of America, First Admiral). On the inside of the lid was engraved "Illtre y Es do Varon Dn Cristóval Colón." On a silver plate inside the lead box was this inscription, "Ua. pte. de los rtos. del pmer. Alte. D. Cristóval Colón Des." (Last part of the remains of the first Admiral, Don Christopher Columbus, Discoverer). His name also appears on the reverse side of the plate. Santo Domingo holds the contents of this leaden box to be the ashes of the Discoverer. The remains that were removed to Havana were taken to Seville at the outbreak of the Spanish-American War and were interred in the tomb shown above.

disputes with Seville the honor of possessing the remains of the Admiral); worship the beauty that has been built into the many imposing altars, and experience the feeling of smallness that comes to human thought when compassed about by heights so deeply arched as to be lost in gloom.

Or they may visit the Provincial Museum and exclaim in rapture over the master's glow that has been woven into the paintings of Murillo, and El Greco, and Roelas, and Valdés Leal, and others.

PRICELESS MANUSCRIPTS IN THE ARCHIVES OF THE INDIES

In the Archives of the Indies they may inspect a few of the, literally, thousands of volumes and bundles of manuscripts treasured there, some of which are said to have belonged originally to Christopher Columbus, and each of which tells a little of that fascinating story of romance and adventure which clothes Spain's former colonial empire.

Or they may motor to the ruins of Itálica and dwell for a brief moment on the scenes that once were enacted there in the old Roman amphitheater, where will be pointed out the prison room of early Christian martyrs, and but a step away the still-sinister dungeon wherein were housed certain lions, prelibatively drooling.

And again in Seville, if they be not in a hurry, there is the Tower of Gold, which, despite its being now only a prosaic port office, still sits smugly on the bank of the Guadalquivir as it did in the days when there passed through it fabulous quantities of gold won in the New World by the conquistadores (see pages 284 and 292).

The House of Pilate, popularly, but erroneously, believed to be copied from the Jerusalem original, and one of the finest specimens of the decorative value of Seville's ceramic tile; the Palace of San Telmo, now a seminary for priests, but still with its unsurpassed carved stone doorway; the American House, dedicated by a Spanish nobleman to the memory of Washington Irving as a tribute to that great writer's love for Spain; the tobacco factory, fit to be the palace of a queen, since it was the place where "Carmen" first sang and incidentally (according to a much-to-be-doubted story) where she still works as one of the 3,000 or more quite elderly ladies employed there in making cigars and cigarettes—all of these and many more may be visited by those who do not feel impelled to catch the next express, or airplane, or motor bus for Cordova, or Granada, or Cádiz.

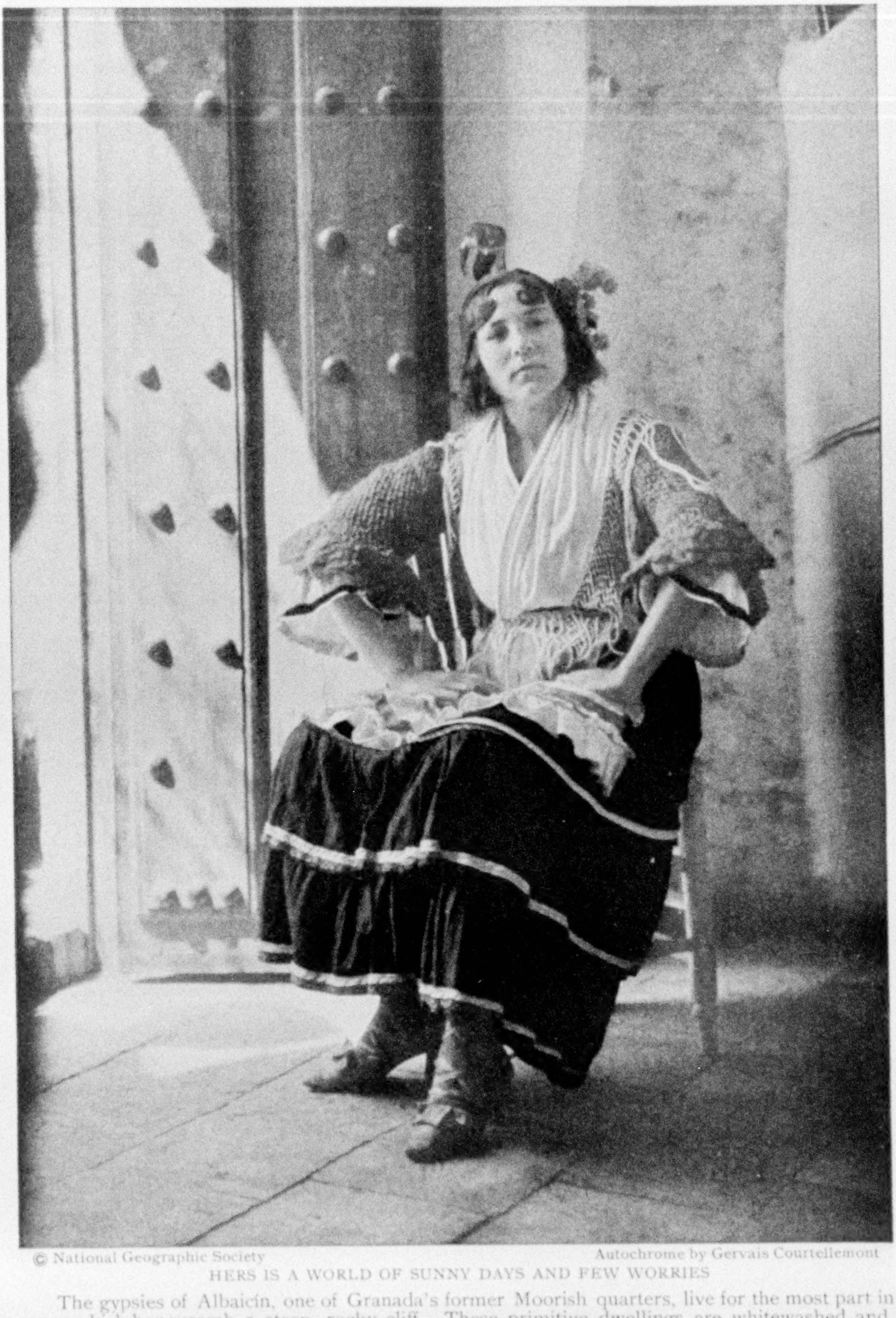
And as the traveler wanders, wondering, he will pass through some of the most quaintly named streets on earth. Through the Street of the Love of God, or Serpents Street, or Pepper, where the houses grow so near one another that the dweller's life is his neighbor's, and family skeletons must perforce move out from very embarrassment; and old Coffin Street, and near-by Life Street, and the Street of Jesus of the Great Power, and that of the Sweetheart of the River, and—alas! a book might be written about Seville's streets, some so wide as to be reminiscent of the Champs Élysées, and others so narrow as seriously to disconcert the smallest of inquiring-eyed donkeys, be he too voluminously loaded with bread baskets, or milk cans, or vegetable and fruit hampers.

While walking, he will likewise encounter a native curiosity the like of which is believed to exist nowhere else on earth. The foreigner, wandering through Seville's crooked streets, is the cynosure of every black or brown or blue eye. They stare from grilled windows, from high balconies, from doorways, from the backs of donkeys, from coffee shops, from passers-by.

Quietly they stare, unless the object of their gaze be that fair sex which carries beauty so lightly, in which case wondering lips will sometimes utter softly what eloquent eyes shout aloud. They seem always curious, the Sevillanos, their eyes devouring one hungrily with a naïve fixity, and continuing so to devour even after one has turned the next corner.

SEVILLE'S GREAT EXPOSITION OPENS THIS MONTH

This year the tourist to Seville will have the added interest of the Ibero-American Exposition, scheduled to open on March 15, and to continue thereafter for nine months. While it is primarily a Spanish-American reunion of the mother country and her former American colonies, the United States has been asked to participate, by reason of the fact that the Rio Grande was no deterrent to the early Spanish discoverers. We are building three handsome



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HERS IS A WORLD OF SUNNY DAYS AND FEW WORRIES

The gypsies of Albaicín, one of Granada's former Moorish quarters, live for the most part in caves which honeycomb a steep, rocky cliff. These primitive dwellings are whitewashed and, strangely enough, wired for electricity. The gypsy women, or *gitanas*, are accomplished dancers.

A STREET SCENE IN MOTRIL, NEAR GRANADA

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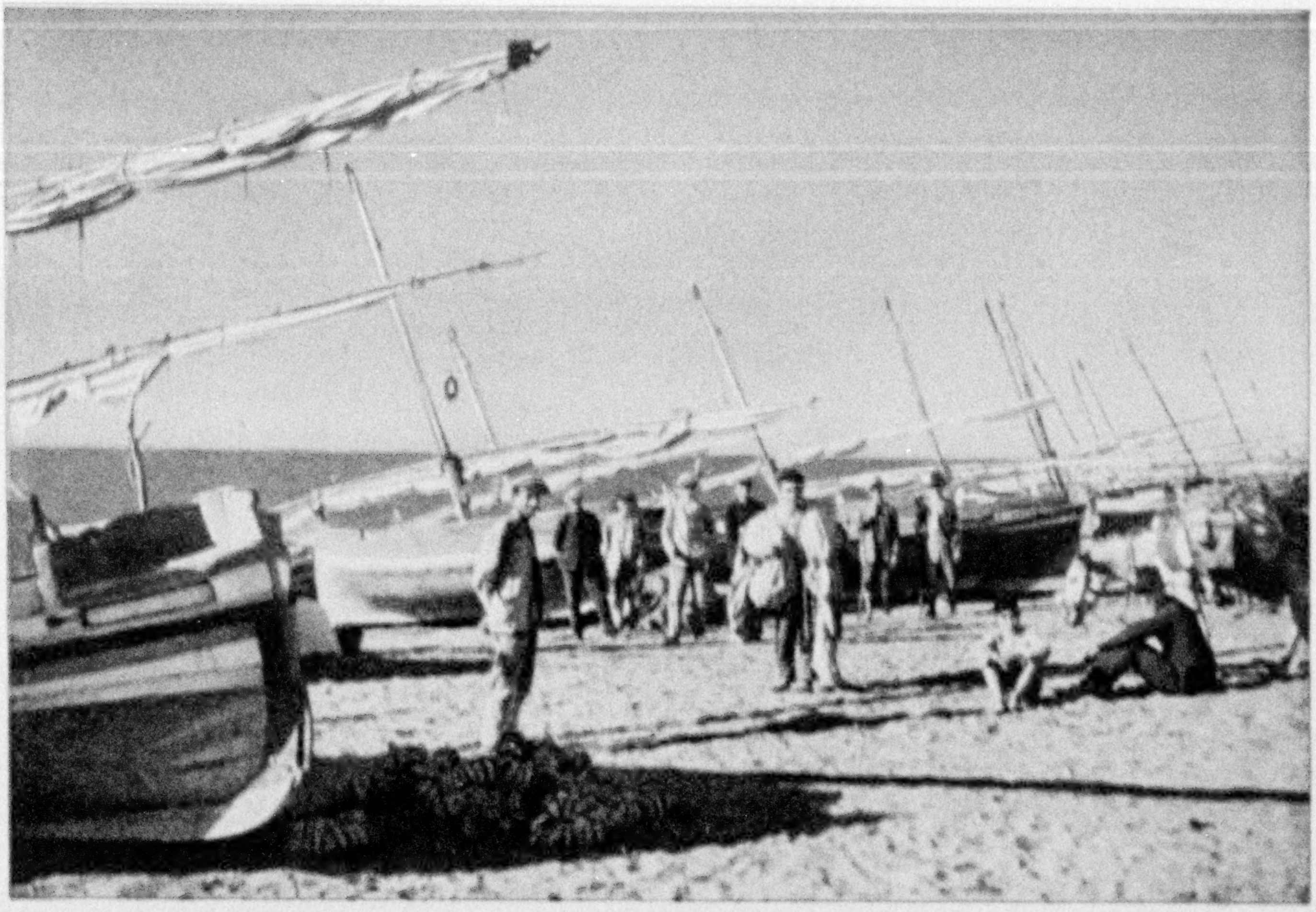
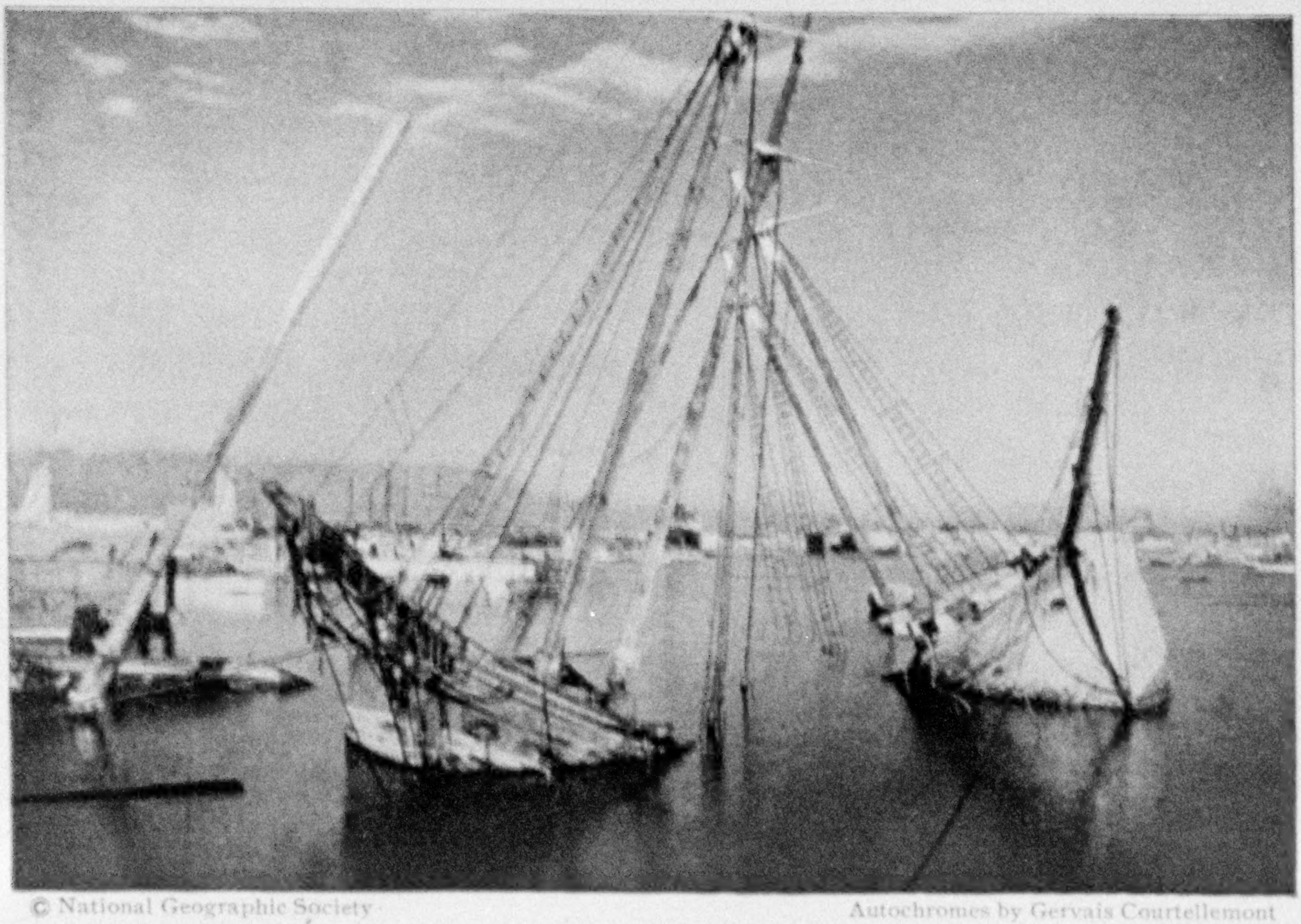
SHE CARRIES ON A TRADITION OF HER RACE

Spanish gypsies are noted fortune tellers. They profess an ability to predict the future and, when a skeptic questions that gift, vent their wrath by placing on the offender the peculiar curse, "May you be made to carry the mail and have sore feet."



A FISHING FLEET NEAR MÁLAGA



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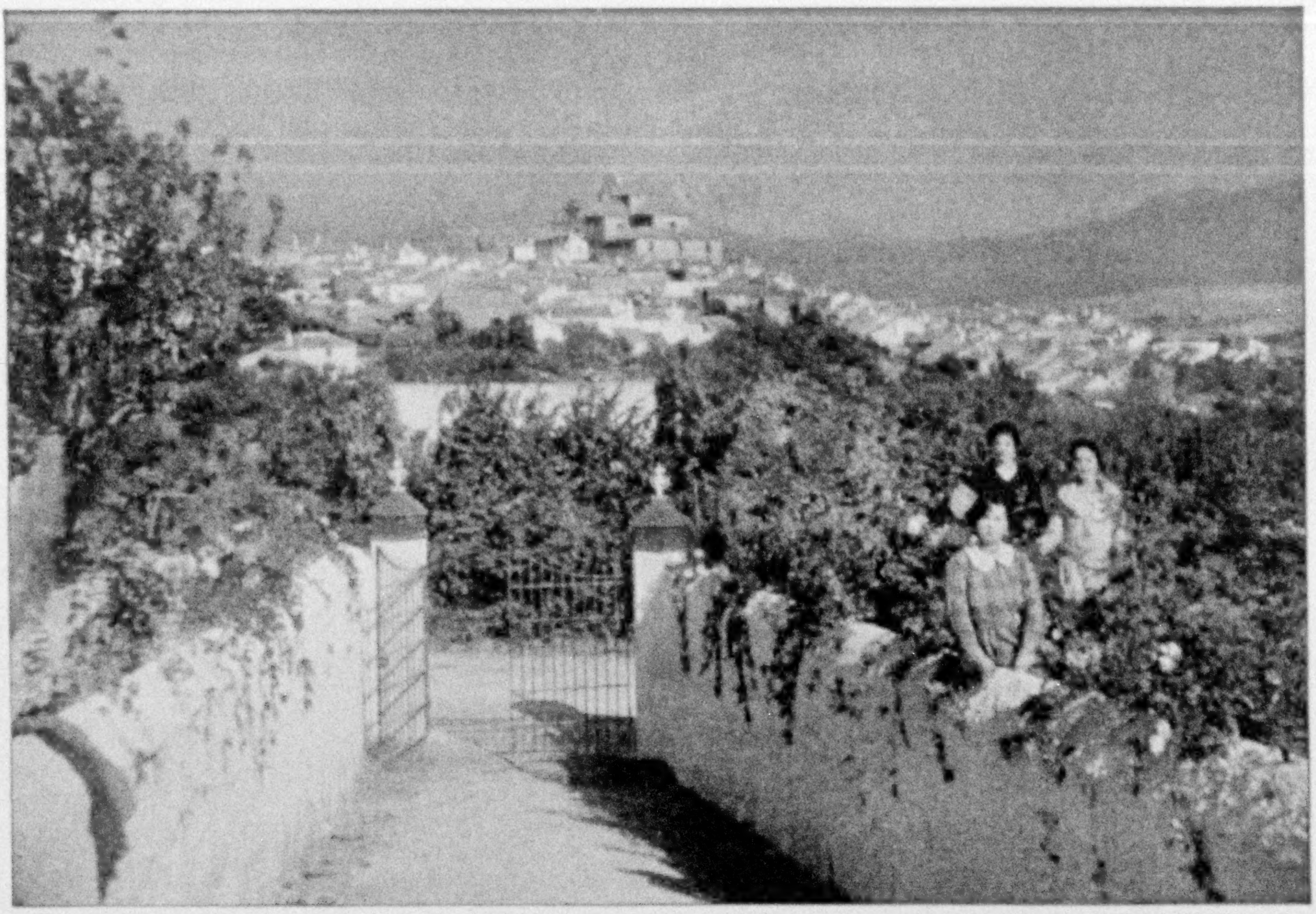
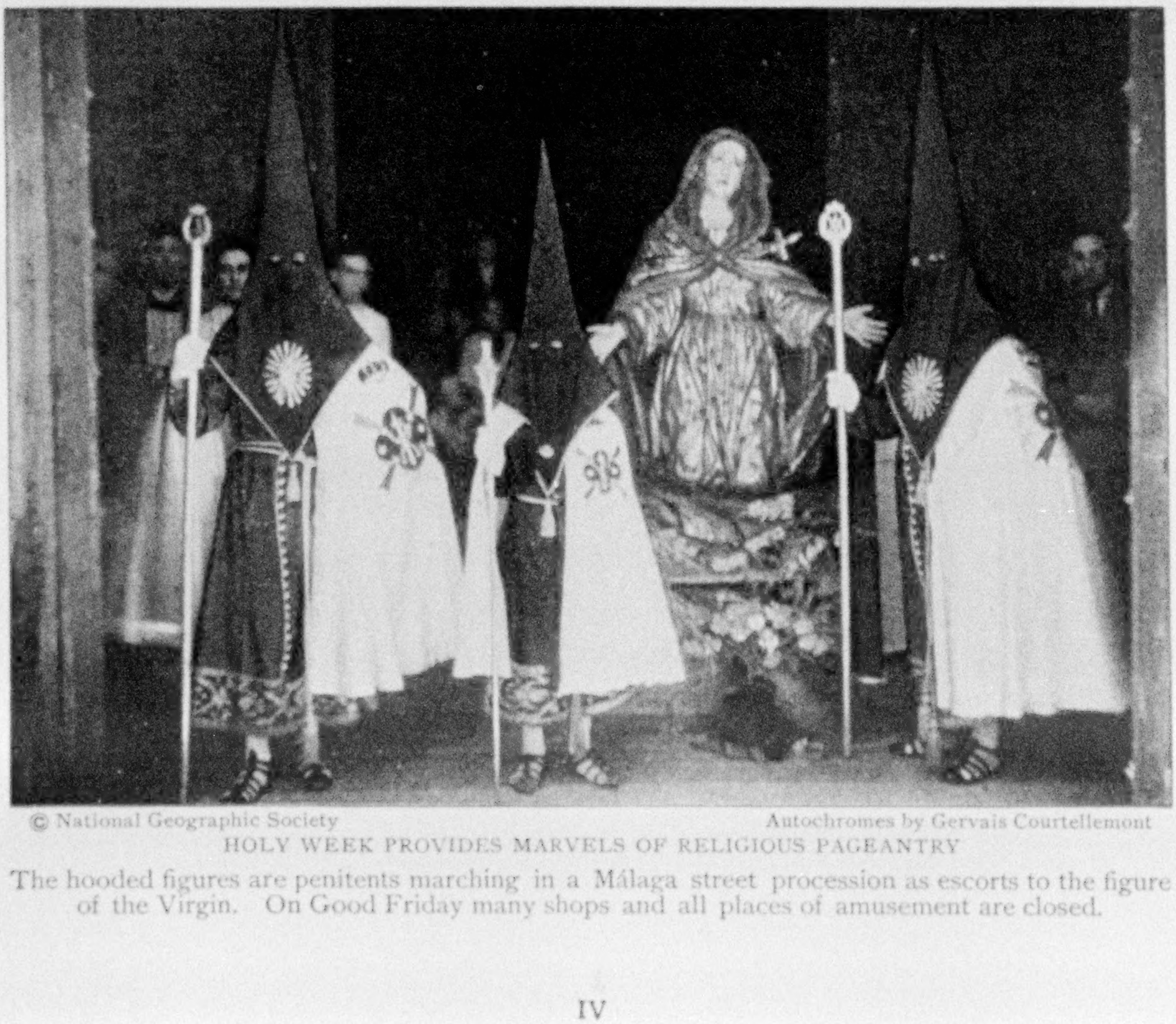
MÁLAGA HAS A CEMETERY FOR DERELICTS OF THE SEA

Successively the ships of Carthaginian, Roman, Visigoth, Moor and Spaniard have found anchorage in Málaga's spacious harbor. Because of its importance as a salt-fish depot, it was known to its Phœnician founders as Malaca, from *malac*, meaning "to salt."



A TOWN EMBOWERED IN FLOWERS AND CITRUS GROVES

Alhaurín el Grande stands on the slopes of the Sierra de Mijas, not far from Málaga, in a region famous for its climate, fruit and flowers. Some of the world's finest grapes are grown in this vicinity, and its raisins are exported to many countries.



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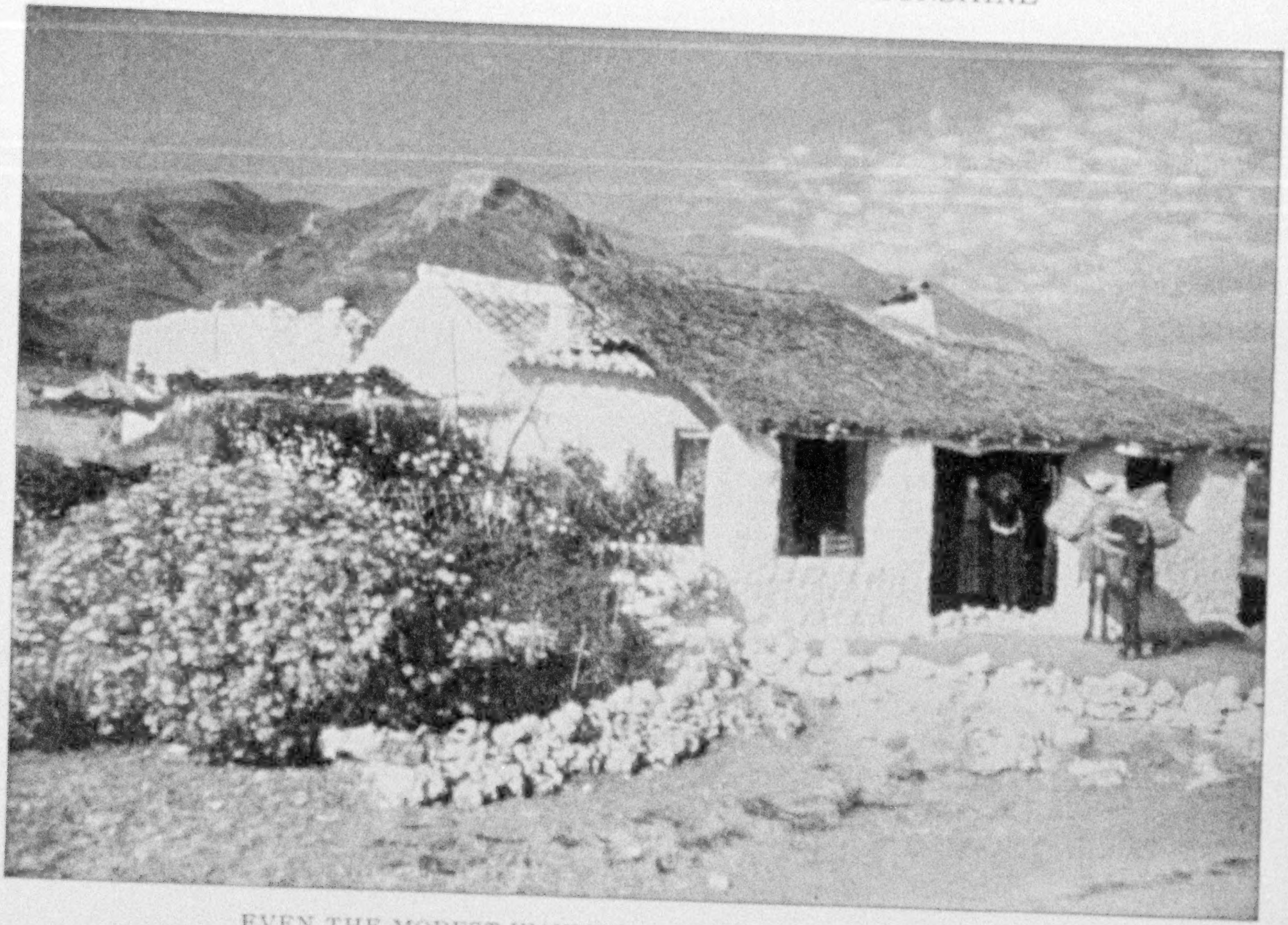
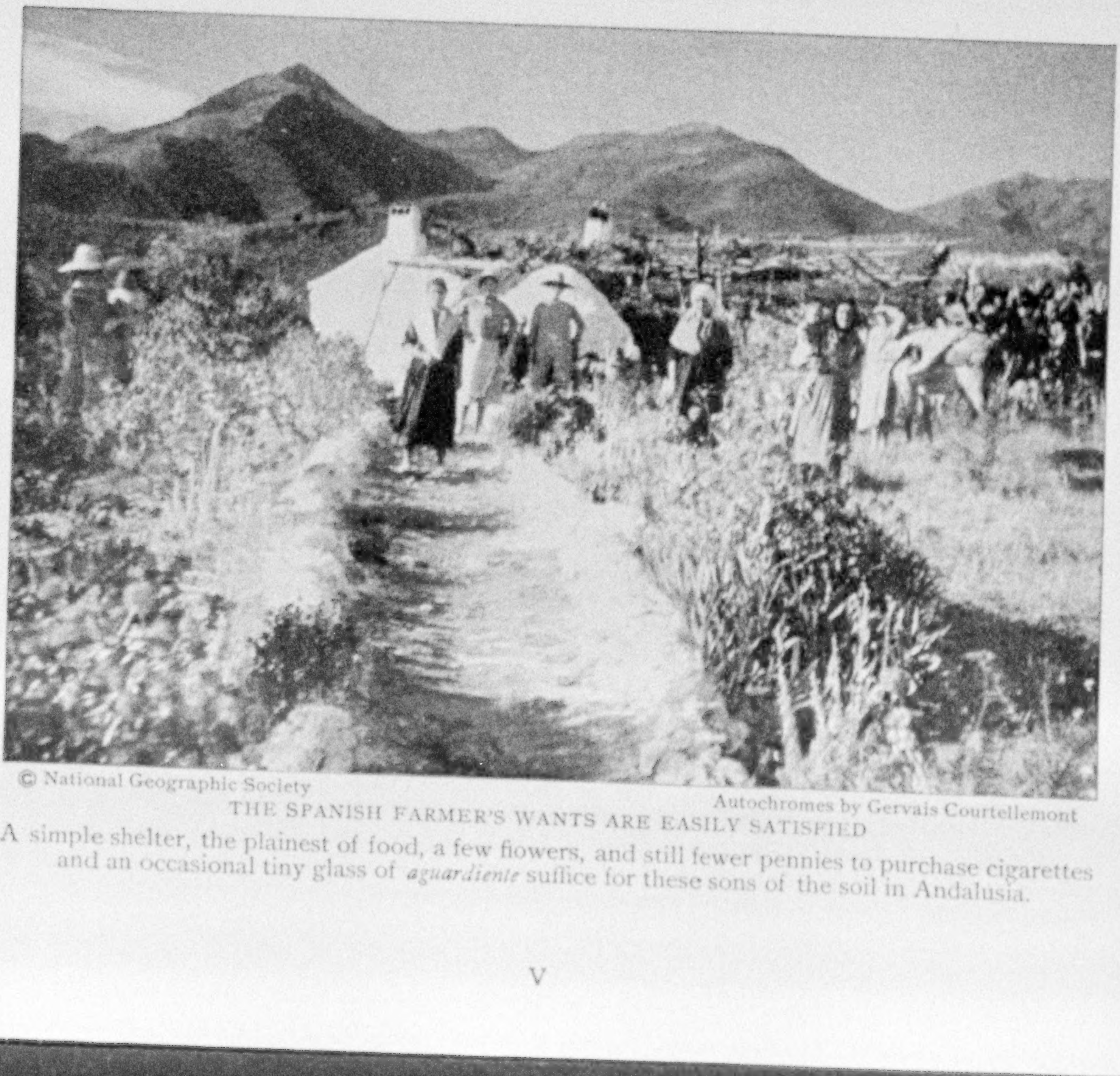
HOLY WEEK PROVIDES MARVELS OF RELIGIOUS PAGEANTRY

The hooded figures are penitents marching in a Málaga street procession as escorts to the figure of the Virgin. On Good Friday many shops and all places of amusement are closed.



EVEN THE MODEST WAYSIDE INN BOASTS A FLOWER GARDEN

Some of the old *posadas*, or inns, still preserve their primitive simplicity. They are of particular interest to the leisurely traveler, since they bring him into contact with types that have varied little since the days when Cervantes wrote of them.



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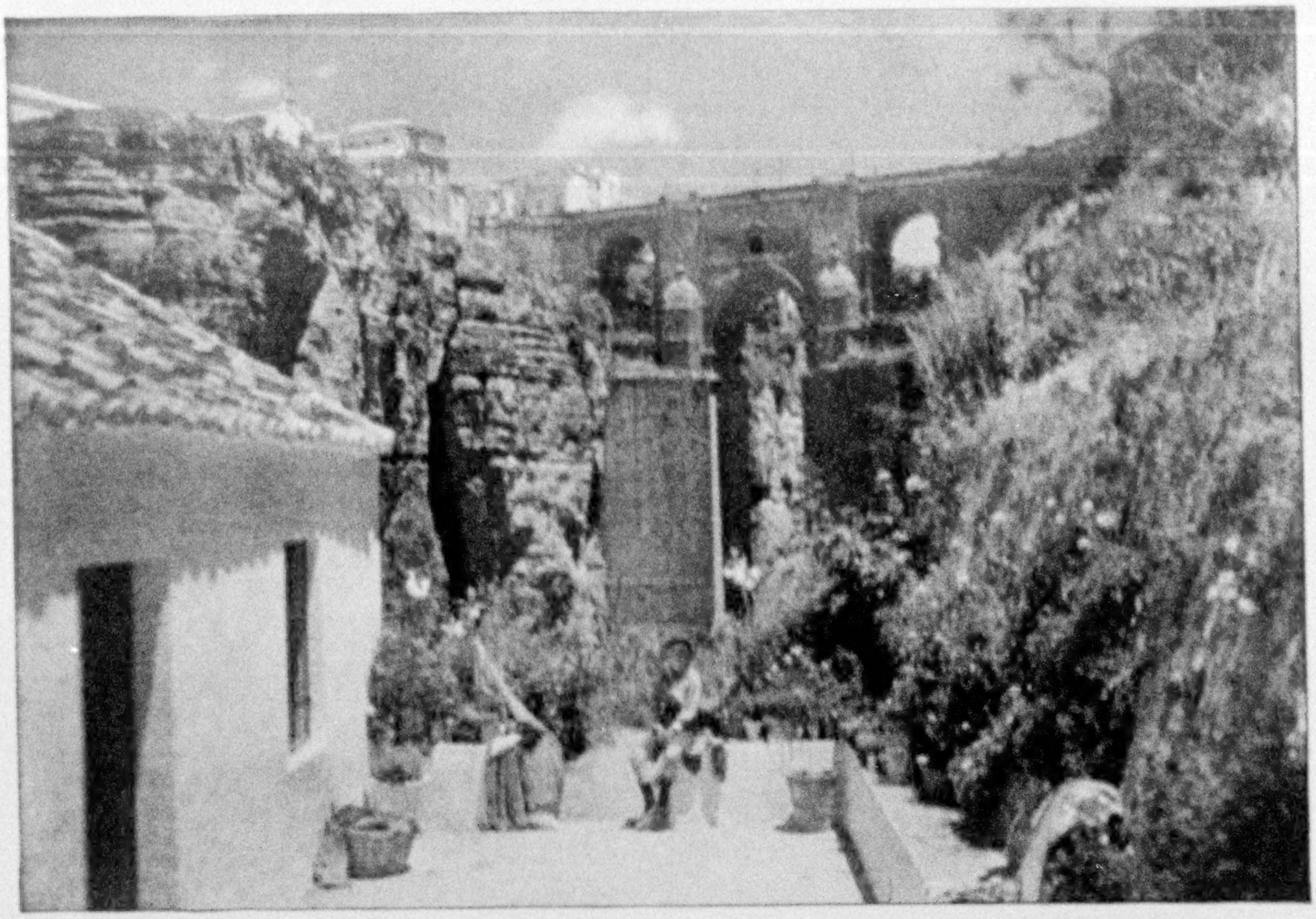
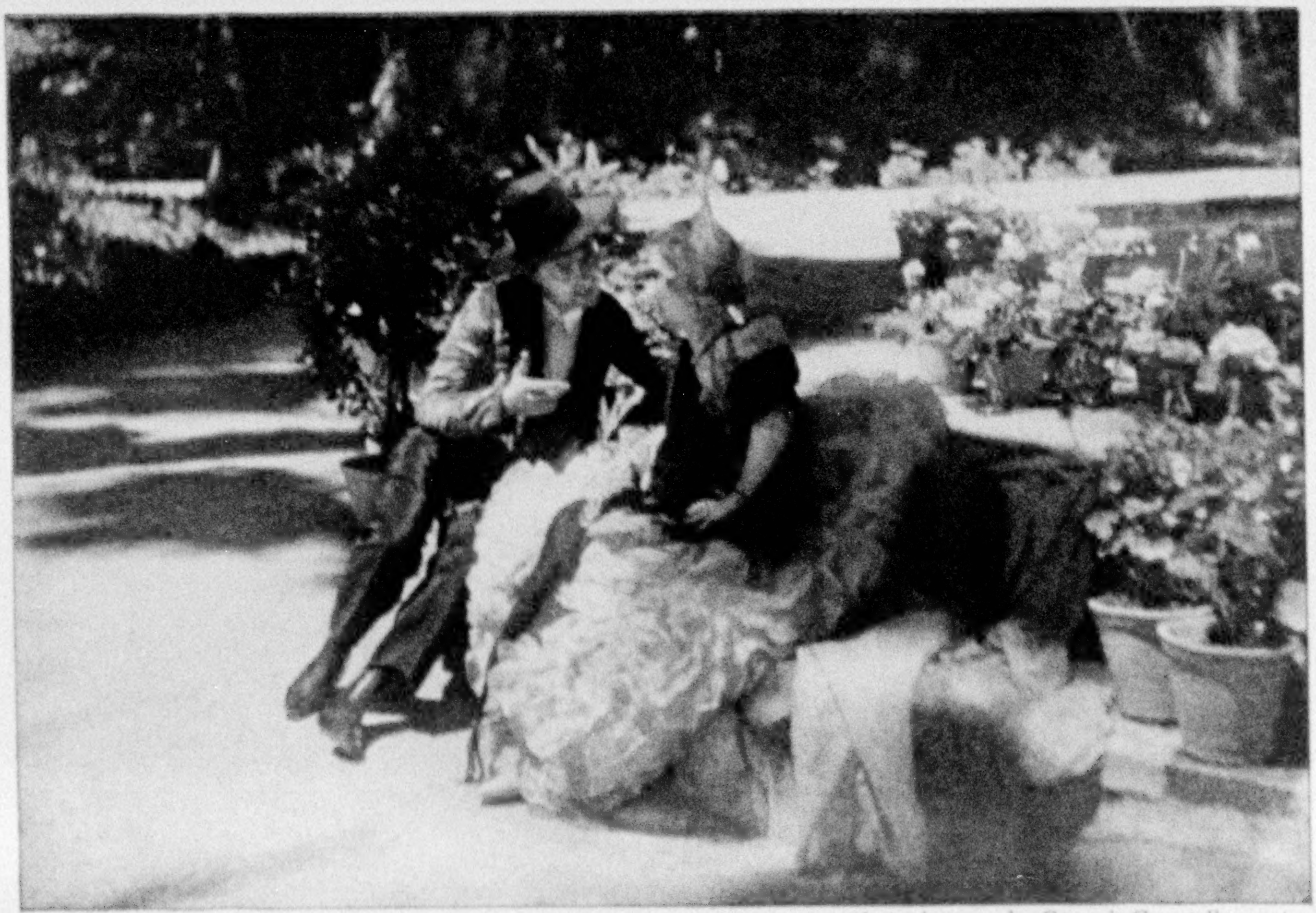
THE SPANISH FARMER'S WANTS ARE EASILY SATISFIED

A simple shelter, the plainest of food, a few flowers, and still fewer pennies to purchase cigarettes and an occasional tiny glass of *aguardiente* suffice for these sons of the soil in Andalusia.



A GRACEFUL VIADUCT SPANS RONDA'S CHASM

Perched upon two towering cliffs, old and new sections of the town are joined by an 18th-century bridge which springs from foundations planted in the solid rock of the river bed more than 300 feet below. Washington Irving wrote some of his Spanish stories at Ronda.



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SEVILLE IS IRRESISTIBLE IN SPRING

When warm sun and gentle southern breeze cause the orange trees to burst into bloom and fill the balmy air with the rich fragrance of their blossoms, the beautiful gardens of Alcázar, laid out by Emperor Charles V centuries ago, are particularly attractive.

HE STRUMS HIS GUITAR IN THE SHADOW OF ALHAMBRA

A natural love of melody and a highly receptive ear are the heritage of nearly every Spaniard, be he from the wind-swept plains of Castile or the sunny shores of Andalusia. Concerts are not frequent but the musical comedy, or *zarzuela*, is extremely popular.

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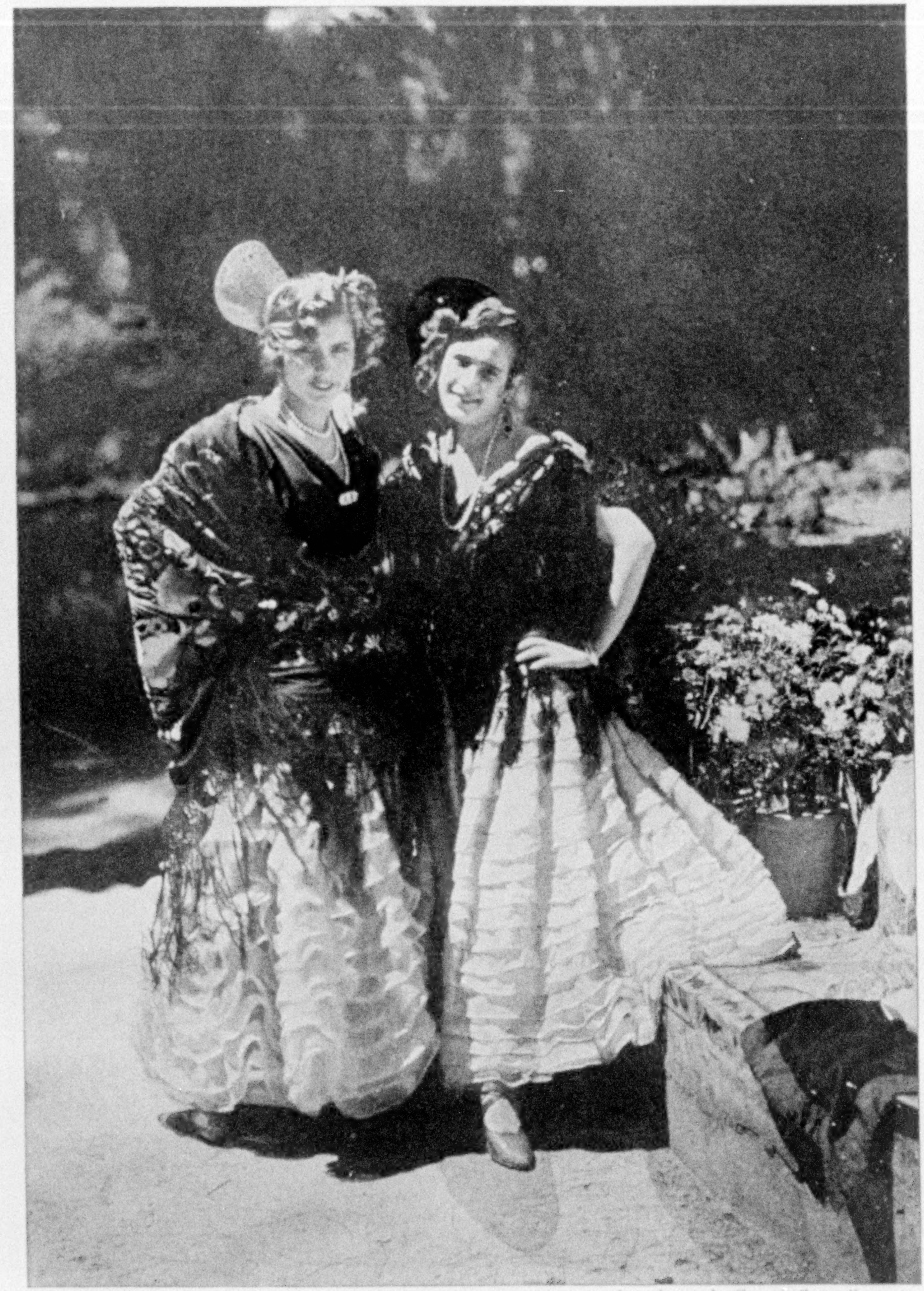
NOT ALL OF GRANADA'S BEAUTIES ARE OF THE PAST

The last and perhaps loveliest stronghold of Spain's Moorish invaders still preserves in its incomparable Alhambra and in its profusion of whispering streams and exquisite gardens, some reflection of the oriental civilization that once flourished there.



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DANCING DAUGHTERS OF SEVILLE

An accomplished Spanish dancer brings into play every muscle of the body, with an æsthetic sensitiveness that elevates the performance to a high level of beauty. In many of the Andalusian dances, the spectators, instead of being passive witnesses, take an active part by rhythmic clapping and stamping.

pavilions on the most beautiful site to be found throughout the grounds.

The Exposition, which is to stress particularly exhibits of fine arts, literature, and history, is serving to add a great wealth of new and immensely virile architure to Seville's already rich store.

One of the United States pavilions, a permanent structure, is fashioned after the Spanish colonial style as found in southern California. The Argentine building is reminiscent of the prodigal freedom of widespread pampas, albeit with a certain Spanish restraint ever pervading.

Mexico has constructed a pavilion that rushes one back to the civilized Mayan mysteries of long ago—bizarre, almost fantastic, ever beautiful. Colombia's building is a pleasant blend of Spanish mission and colonial massiveness. Chile is building a picturesque pile which recalls Spain's colonial glory as adapted to the ruggedness of the wind-torn Andes.

And so on through the list of a dozen or more American republics that are constructing permanent buildings which, after the Exposition, will be used as the consular offices and homes of the respective nations.

A GREAT SPANISH-AMERICAN UNIVERSITY IS PLANNED

The buildings constructed under direction of the Exposition committee are likewise a splendid addition to Seville's architectural beauty. The vast semicircular Building of Spain, laden with the light that shines from ceramic tile and divided into 49 segments, each one of which is devoted to one of the 49 provinces of Spain; the Fine Arts Building, the Ancient Arts Building, the deeply domed Building of Seville, the Royal Pavilion, and various others, built to house exhibits of the beauty which man has fashioned with his hands, are all here waiting to be seen, and afterward to form the nucleus of a great Spanish-American University. And all are in a setting so rich in natural beauty as to be a constant challenge to other parks of the world—the María Luisa Park (page 310).

Seville may indeed be called "the most Spanish of Spain." He who comes in the early spring will find it at its best; will know the solemnity of Holy Week and the vivid, pulsing life of the spring festivals immediately following. He will see the wealth of centuries bedecking the images of the 42 religious brotherhoods of Seville, as they pass slowly in procession through the streets, a sparkling panoply—pass and leave behind a tattered beggar asking alms. He will hear the spontaneous outburst of devotional song that sometimes accompanies the processions and catch the reverberating echoes of the deep-toned organ in the Cathedral, crashing forth in rejoicing on Easter Sunday morning.

He will hear the strummed tunes of a *flamenco* danced beneath blazing lights in a flower-bedecked *caseta*, and the unrestrained laughter of day-long happiness. He may hear, indeed, a Spanish guitar if he supplies the necessary wherewithal and makes careful advance arrangements through a competent guide, although one may live in Seville many months and never even see one of these much-heralded musical instruments of Old Spain.

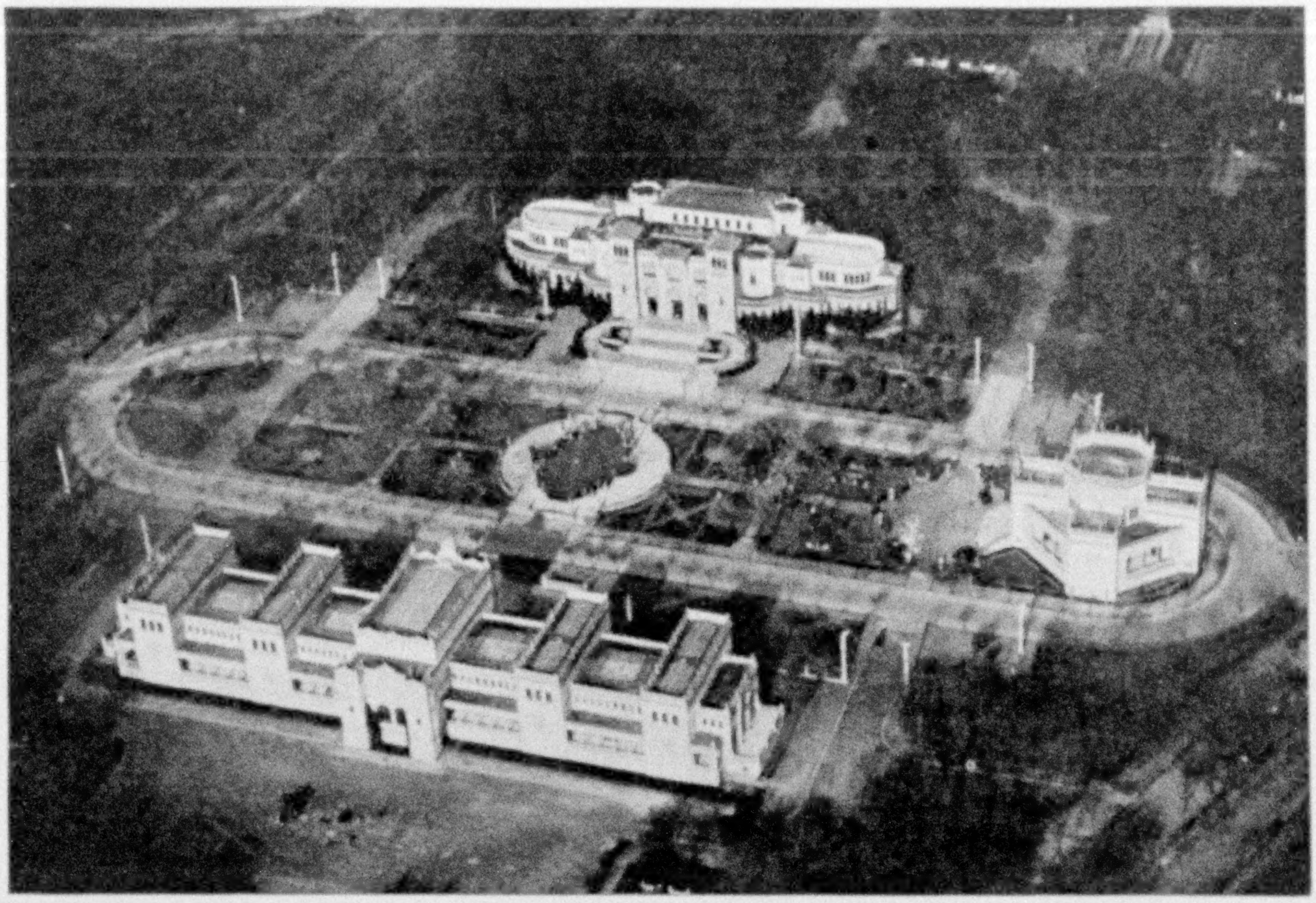
The adventurous sojourner may smile at and be haughtily snubbed by a Spanish beauty on the steps of the Cathedral, and a week later have that smile thrice acknowledged by the same beauty lingering beneath a rose-twined tree. He may see small boys of downcast demeanor bearing torches in the final procession on Easter Eve, and the next afternoon hear those same youths demanding hoarsely that they "kill the bullfighter."

He may see Seville in all her beauty and charm and utter fascination, with every day a jewel of sunshine, every orange tree a golden storehouse, and every other tree merely an excuse for climbing blossoms, every breath made sweet with a profusion of the fragrance that comes from budding, flowering life.

But he won't see amorous youths lingering in the moonlight 'neath grilled balconies, with accommodating companions near by handling the guitar, because they'll all probably be on the ballroom floor at the Alfonso XIII Hotel, dancing with girls who are rapidly coming to appreciate the limitations of grilled windows; and the music will be furnished by a jazz orchestra imported from Biarritz or Monte Carlo.

SUMMER, AUTUMN, AND WINTER REVEAL DIFFERENT SEVILLES

If the visitor arrives in the hot summer months, he will find that Seville is indeed "the frying pan of Europe"; will find a



Photograph by Aviación Militar Española

THE IBERO-AMERICAN EXPOSITION WILL SERVE AS A REUNION BETWEEN SPAIN AND HER FORMER COLONIES

In addition to the Latin-American countries which will participate, the United States has also accepted an invitation to take part in Seville's great exposition that opens this month. The buildings on each side of the plaza will house the exhibits of ancient and modern arts, while at the extreme right is the Royal Pavilion.

drowsing city, deserted by all who have the price of a ticket to the beach or mountains and listlessly endured by those who haven't; will find the people at work on their many small and large tasks, but with a protracted siesta in between, and with nothing being done to-day that may successfully be put off till *mañana*.

In the autumn he will find a recrudescence of the spring festival spirit, but on a much smaller scale; will find people returning from their vacations and settling down to such ordinary tasks as the purchase or sale of so many kilos of this and that; will encounter great droves of hogs and flocks of sheep and goats and herds of cows and donkeys meandering to and from the cattle fair; will hear of bullfights and cabbages and kings.

The winter visitor will find a cold, raw Seville, shivering behind closed shutters, which are nevertheless powerless to keep out icy blasts that come sweeping through open patios into stoveless houses; will smell the acrid reek that comes from laboring olive-oil refineries and the somewhat more endurable odor from orange-pressing plants; will meet a Seville busily engaged with its own affairs—colorless, uninviting, overcoated.

"Most Spanish of Spain." One hesitates over that description, remembering that Spain is ambitiously new, whereas Seville delights in being both old and new. One hesitates, wondering whether the visitor, at whatever time of the year he may come, so long as he brings sympathetic eyes and a heart that desires to understand, will not find that Seville is perhaps even more Spanish than Spain.

ON THE BYPATHS OF SPAIN

By Harry A. McBride

Author of "From Granada to Gibraltar—a Tour of Southern Spain," "The Land of the Basques," and "The Land of the Free in Africa," in the National Geographic Magazine

SPAIN, from the tourists' point of view, is gradually becoming "known." The well-trodden route, however, is generally confined to the easily accessible cities. One's first experience with the Spanish carabinero is either at the customhouse of Irún, south of Biarritz, or at Port Bou, on the Mediterranean side. Then one hastens to San Sebastián, on one end of the Pyrenees, or to Barcelona, on the other, and, after a brief stay, proceeds to Madrid. Later, if there is time, to Toledo, and southward to Seville and Granada (see map, page 314).

Thus merely the high spots are touched, while the unlimited beauty and interest of Spain lying along the bypaths remain scarcely known—and are still waiting to delight the venturesome traveler.

THE QUEST BEGINS AT MÁLAGA

We, the Artist and myself, started our quest for the out-of-the-way places on the Spanish Riviera, along the Mediterranean coast from Gibraltar to Almeria. The center of this district is the seaport of Málaga, a city of 150,000 inhabitants, surrounded by a semicircle of mountains which forms a natural rampart against the cold from the north and gives to this delightful spot a mildness of winter climate unequaled in all Europe.*

As a general description of Málaga today, we need employ only three words: clean, modern, charming. Polite traffic officers—perhaps we should say "bobbies," because they are dressed in neat uniforms of British pattern—direct the stream of automobiles just as they do in London. There are broad avenues, lovely villas, and well-kept parks, in which an endless variety of bright flowers is always in bloom.

Indeed, this Andalusian city, nestling on the blue Mediterranean, has ambition and is exerting effort toward its accomplishment—to attract the tourists, or at least some of them, who have grown tired of returning year after year to the French Riviera.

We made a pilgrimage nearly every morning to the market place, a large covered building built around a picturesque Moorish arch which serves as its entrance. There are aisles of stalls devoted to meat, fish, vegetables, and fruit; but the market has overflowed its banks and now extends out into the adjoining streets, where in open air there are rows of fruit and vegetable stalls in charge of peasant men and women.

We fell victims to the owner of one particular fruitstall, a jovial farmer who looked like a one-eyed bandit. He was an example of Andalusian vehemence. His assertions that his pears from Ronda were the finest Nature had ever created were almost ferocious. After he had nailed down the quality point, he would put on a shy little smile and tell us some joke, full of wit, but always uncomplimentary to the wares of his competitors. His gross exaggerations were so entertaining that we were perfectly willing to forfeit the few coppers which the rascal invariably managed to overcharge us.

He was very attentive, because our purchases always reached a peseta. The servant girls buy only small quantities, and he would work for hours making no single sale of more than two or three "big dogs," as the Spaniards call the large 10-centime copper piece. His till was an open cigar box on a pile of oranges, daylight robberies not yet having reached this part of the world.

"Are these plums ripe?" we asked him one day.

"By all the saints in the universe, señores, each one of these plums is a veritable sugar caramel."

A little farther along was a stand selling earthen water jugs, of various sizes, arranged along the sidewalk. These are open at the neck, but have a tiny spout in the side. The peasants drink by holding the jug well above their heads and letting the tiny stream of water fall into their open

---

* See "From Granada to Gibraltar," by Harry A. McBride, in the National Geographic Magazine for August, 1924.

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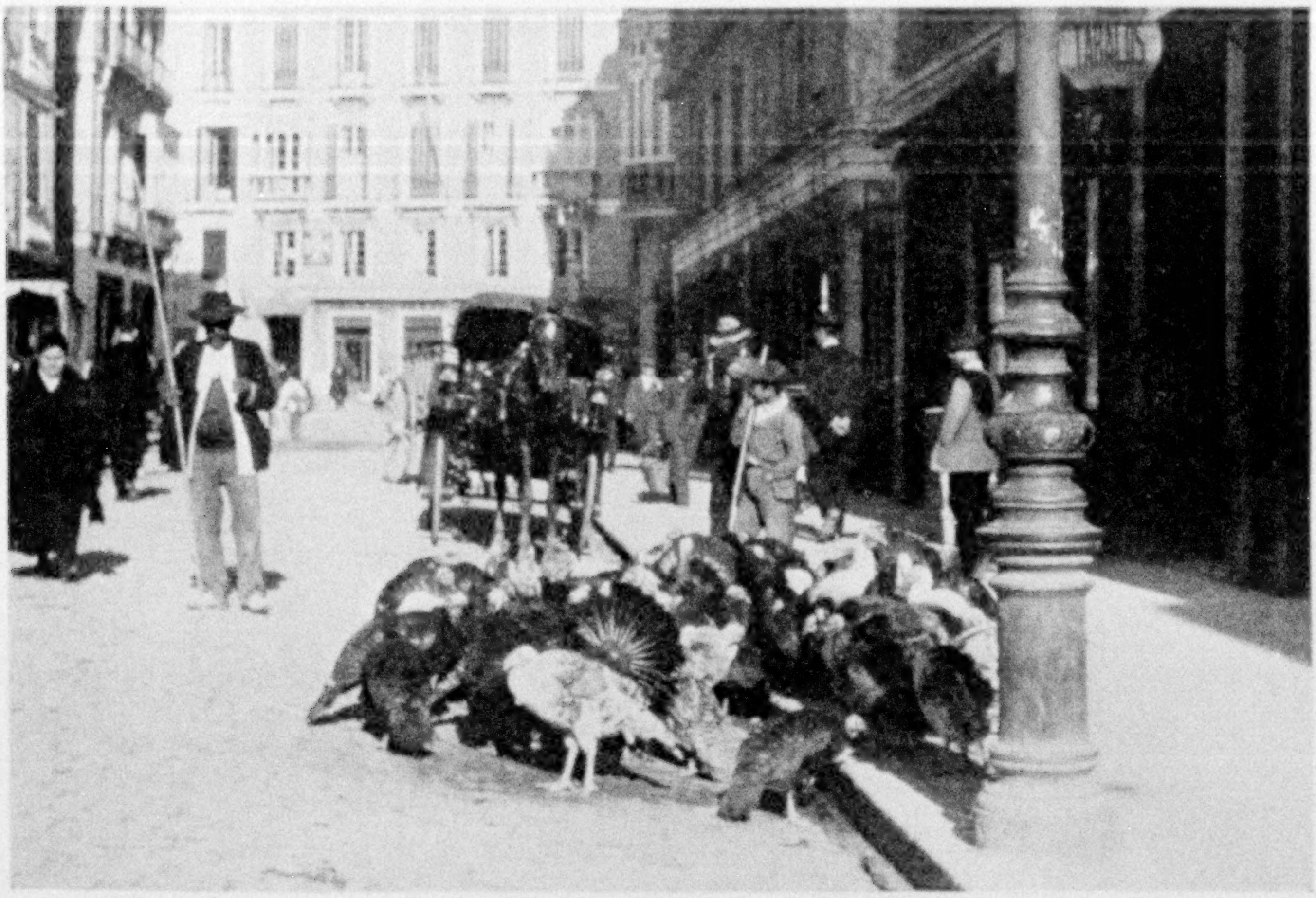
GRAPES HAVE CARRIED MÁLAGA'S NAME AROUND THE WORLD

Vineyards provide work for a large number of men and women in the region about Málaga. The beautiful fruit is carefully picked, sorted, packed in cork, and sent abroad. The famous muscatels, too delicate to ship fresh, are converted into raisins and exported in great quantities (see text, page 340).



Photograph by E. Gehrig

TURKEYS ARE SOLD "ON THE HOOF" IN MÁLAGA

Farmers drive turkeys to the Christmas market in the same way that a flock of sheep would be handled. The birds make no effort to stampede and travel docilely through the streets until some housewife makes claim to one (see text, page 315).

mouths. A novice at this method has considerable difficulty, not only with the aim, but also with swallowing against the steady stream of liquid.

A CRESCENT OF FIVE MOUNTAIN RANGES BEHIND MÁLAGA

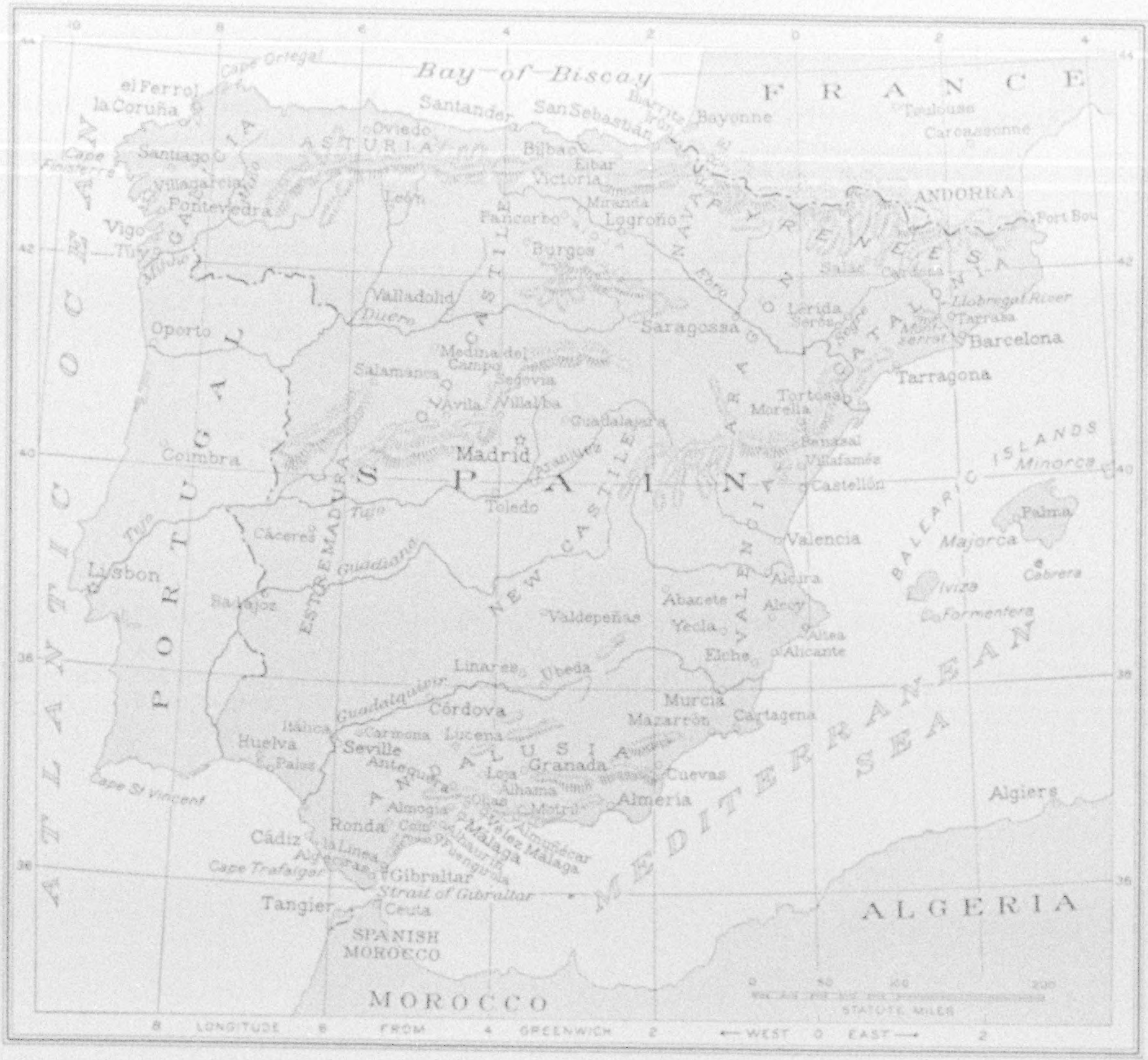
The crescent of mountains which surrounds Málaga is about 60 miles from point to point and is formed of five ranges. They still bear their quaint Moorish names: Sierra de Mijas, Sierra de Abdalagis, Sierra de Alhama, Sierra de Tejeda, and the Sierra de Almijara, which drops suddenly into the sea near Almuñécar.

The old word "sierra" means, in Spanish, a "saw," and it is vividly descriptive of these irregular saw-tooth mountain lines along the sky. Each range is in itself cut and scarred into jagged peaks and precipitous chasms, the tops being of barren and forbidding rock. Then, lower down, is a covering of palmetto grass, thickly interspersed with aromatic herbs—thyme, rosemary, and lavender—and on the lower slopes, in symmetrical rows, like soldiers, thousands upon thousands of silver-green olive trees.

Here and there, on steeper slopes, the olives give place to almonds, and in January their pink and white blossoms, which appear before any of the green leaves, make a little picture of fairyland. The valleys are all yellows and greens—orange trees, lemon trees, grapevines, and sugar canes.

From almost any viewpoint in the valley, not one, but three or four, rugged mountain lines may be seen, one piled up back of the other. The last line, in the far distance, is in the most delicate of blues and purples; and yet, because of the brilliant atmosphere, it stands out clearly against the deep, cloudless sky. The tops of the nearer ranges take on deeper hues of blue and purple of startling beauty, and the foreground has its splashes of brilliant yellow, green, and orange in the sunshine.

As if still not satisfied with this lavish rainbow of bright colors, Nature has painted the cultivated soil a deep, rich Venetian red; so that even the groundwork


Bay of Biscay
FRANCE
SPAIN
PORTUGAL
ATLANTIC OCEAN
MEDITERRANEAN SEA
BALEARIC ISLANDS
ALGERIA
MOROCCO
SPANISH MOROCCO
ANDORRA
GALICIA
ASTURIAS
OLD CASTILE
NEW CASTILE
ESTREMADURA
ANDALUSIA
ARAGON
CATALONIA
VALENCIA
NAVARRA
PYRENEES
Cape Ortegal
el Ferrol
la Coruña
Cape Finisterre
Santiago
Villagarcia
Pontevedra
Vigo
Tuy
Miño
Oviedo
Santander
San Sebastian
Biarritz
Irun
Bayonne
Toulouse
Carcassonne
Bilbao
Eibar
Victoria
Miranda
Logroño
León
Pancorbo
Burgos
Ebro
Port Bou
Salas
Cardona
Lerida
Seros
Llobregat River
Tarrasa
Montserrat
Barcelona
Tarragona
Oporto
Valladolid
Duero
Saragossa
Medina del Campo
Salamanca
Segovia
Avila
Villalba
Guadalajara
Tortosa
Morella
Benasal
Villafamés
Castellón
Minorca
Coimbra
Madrid
Toledo
Tajo
Majorca
Palma
Cabrera
Cáceres
Guadiana
Valencia
Lisbon
Badajoz
Alcira
Alcoy
Abacete
Ivíza
Formentera
Valdepeñas
Yecla
Altea
Elche
Alicante
Linares
Ubeda
Murcia
Mazarrón
Cartagena
Guadalquivir
Córdova
Itálica
Carmona
Lucena
Huelva
Seville
Palos
Antequera
Loja
Granada
Alhama
Cuevas
Cape St Vincent
Almeria
Almogia
Coin
Motril
Ronda
Cádiz
La Linea
Algeciras
Málaga
Velez Málaga
Fuengirola
Cape Trafalgar
Gibraltar
Strait of Gibraltar
Tangier
Ceuta
Algiers
LONGITUDE FROM GREENWICH
WEST EAST
STATUTE MILES
0 50 100 200

Drawn by A. H. Bumstead

A MAP OF SPAIN

Continental Spain has an area about equal to the combined areas of California and Indiana, with a population of more than 21,000,000. The country is now divided into 47 provinces, but the older provincial and historic kingdom names, such as Castile, Aragón, Andalusia, Catalonia, and Galicia, still cling to their respective districts.

in this Andalusian land takes on a beauty and interest all its own.

The Artist's remark when he first was taken through a small part of this lovely country was:

"Everything paintable—every tree, every building, every mountain top—is a picture. Where, where shall I begin?"

MÁLAGA'S PAPER RECALLS PAGES FROM THE PAST

The same remark may be made of many of the lesser-known provinces of Spain, though each has its own strong provincial individuality, not only of landscape, but also in facial types and coloring, quaint Old World costumes, and even in the different trappings with which horses, mules, donkeys, and the huge bullocks are decked out (see Color Plates I, VII, VIII, IX, XII, and XX).

Málaga has a daily paper, *La Unión Mercantil*, of which in all justice it may be exceedingly proud. A large "double-deck" press of French make turns out its 12 to 16 pages every day. In the composing room four linotypes click busily all night long. Modernity in the extreme is the keynote of its production; yet in every issue there is a quarter column headed "On This Same Date." Thereunder appear items of more or less commonplace events that have happened in the province on the date of issue, but in previous years. Generally, there are six or eight years picked at random by the well-

Photograph by Dr. Gilbert Grosvenor

THE ROAD FROM MÁLAGA TO GRANADA UNFOLDS MAGNIFICENT MOUNTAIN VIEWS

The houses in the distance and far below form the community of Colmenar. The beautiful rolling hillsides around the town are covered with rich vineyards and fertile farms.

informed chronologist, Díaz de Escobar, and often these go back before the discovery of America and refer to family names still existing in the city!

One reads in quite a matter-of-fact way:

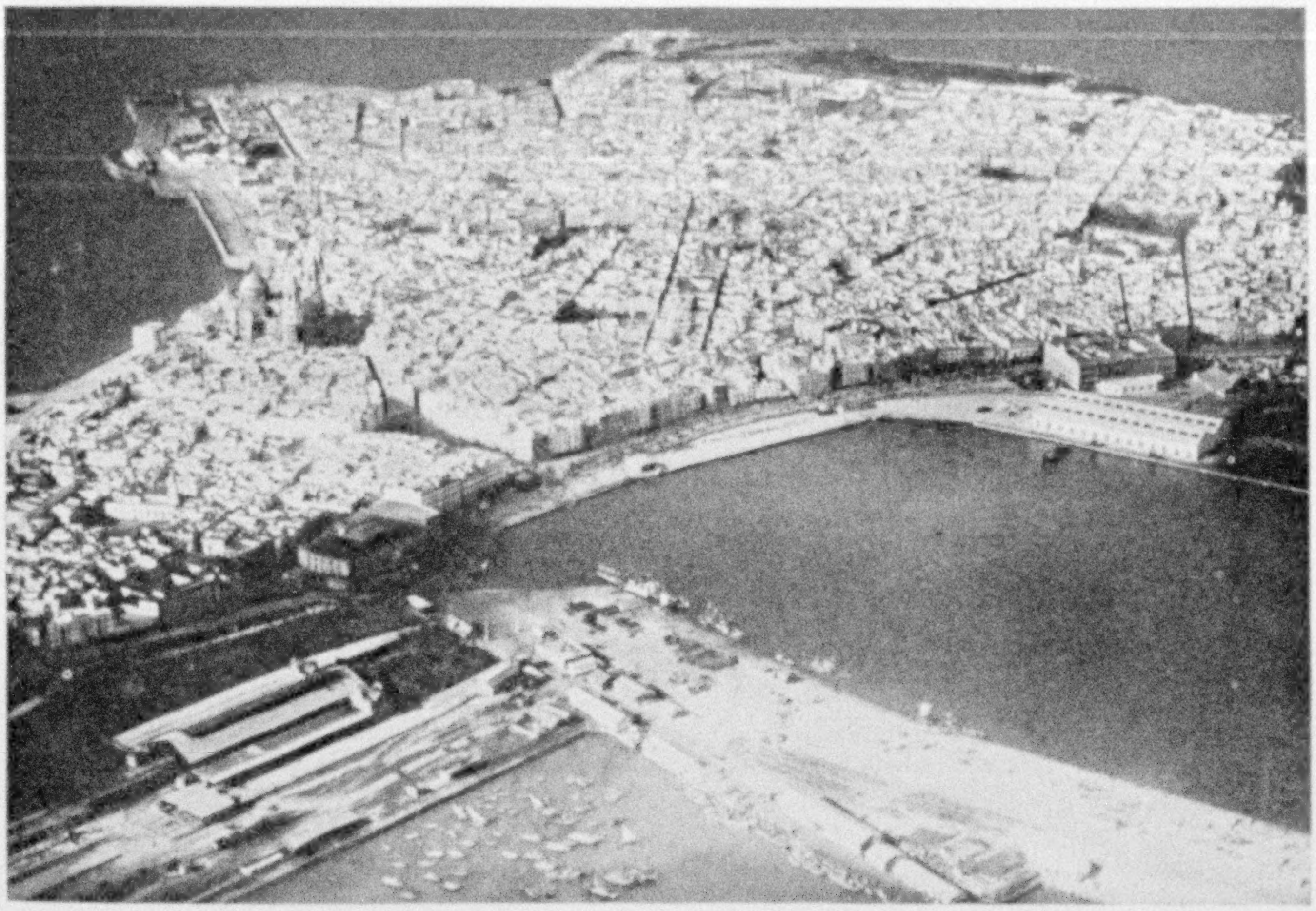
> December 9, 1466.—King Henry IV conferred the title of "Very Noble" upon the city of Antequera, Province of Málaga, showing proof of his affection and consideration for the heroic services rendered by its inhabitants.
>
> December, 1616.—After more than a whole year of drought, it rained to-day in Antequera, but it was only a little shower, so the hunger and difficulties still continue.
>
> December, 1831.—This morning at 11:30, on the beach near the city, a firing squad executed General José María Torrijos; Lieut. Colonel Juan López Pinto; the English officer, Mr. Robert Boyd; the ex-President of the Cortes, Manuel Flores Calderón; the ex-Minister of War, Francisco de Lorja Pardio, and their several other companions. The bodies were taken to the cemetery in public dust wagons.
>
> The city presented a serious aspect. All the doors and balconies were closed and the streets and plazas deserted. The political enemies of the executed ones remarked upon the severity of the punishment, and not even the most fanatic of them thought the Government of Madrid would sentence all to death, including the bugler, a boy of tender years, who was also executed.
>
> One of the priests, Padre Vicaria, who waited upon the prisoners in their last moments, was so impressed that he became insane.

Thus, the ultramodern printing press gives every day, in startling clearness, a little picture of the dim past centuries—one of those confusing contradictions with which one is so often confronted in Spain.

And these little pictures themselves, sometimes gay, but more often grave, bring the distant centuries, with their odd customs and strange superstitions, so near to us. The narrow streets in Málaga's center which one passes every day are mentioned time and again, and even well-known buildings, still occupied, figure in the oldest of the chronicles.

CHRISTMAS LOTTERIES AND TURKEYS

It was in front of this newspaper office that we noticed a large and rather excited mob gathering, all intent upon a blackboard placed above the entrance and upon



Photograph by Aviación Militar Española

THE WHITE CITY OF CÁDIZ SEEN FROM THE AIR

Although about 3,000 years old, it is as clean and fresh-looking as if it had been recently built. Its streets are long, straight and narrow, and lined with white, well-constructed houses. Cádiz occupies a strategic position at the tip of a peninsula, and during the Napoleonic invasions was for a time the seat of the Spanish Government. The building at the left, with towers and dome, is the New Cathedral, begun about two centuries ago (see, also, "Adventurous Sons of Cádiz," by Harriet Chalmers Adams, in the NATIONAL GEOGRAPHIC MAGAZINE for August, 1924).

which a man chalked up figures now and then.

This was no curb market, nor did the figures refer to baseball scores. It was a few days before Christmas, and the crowd exhibited a lively interest in the winning numbers of the Christmas lottery!

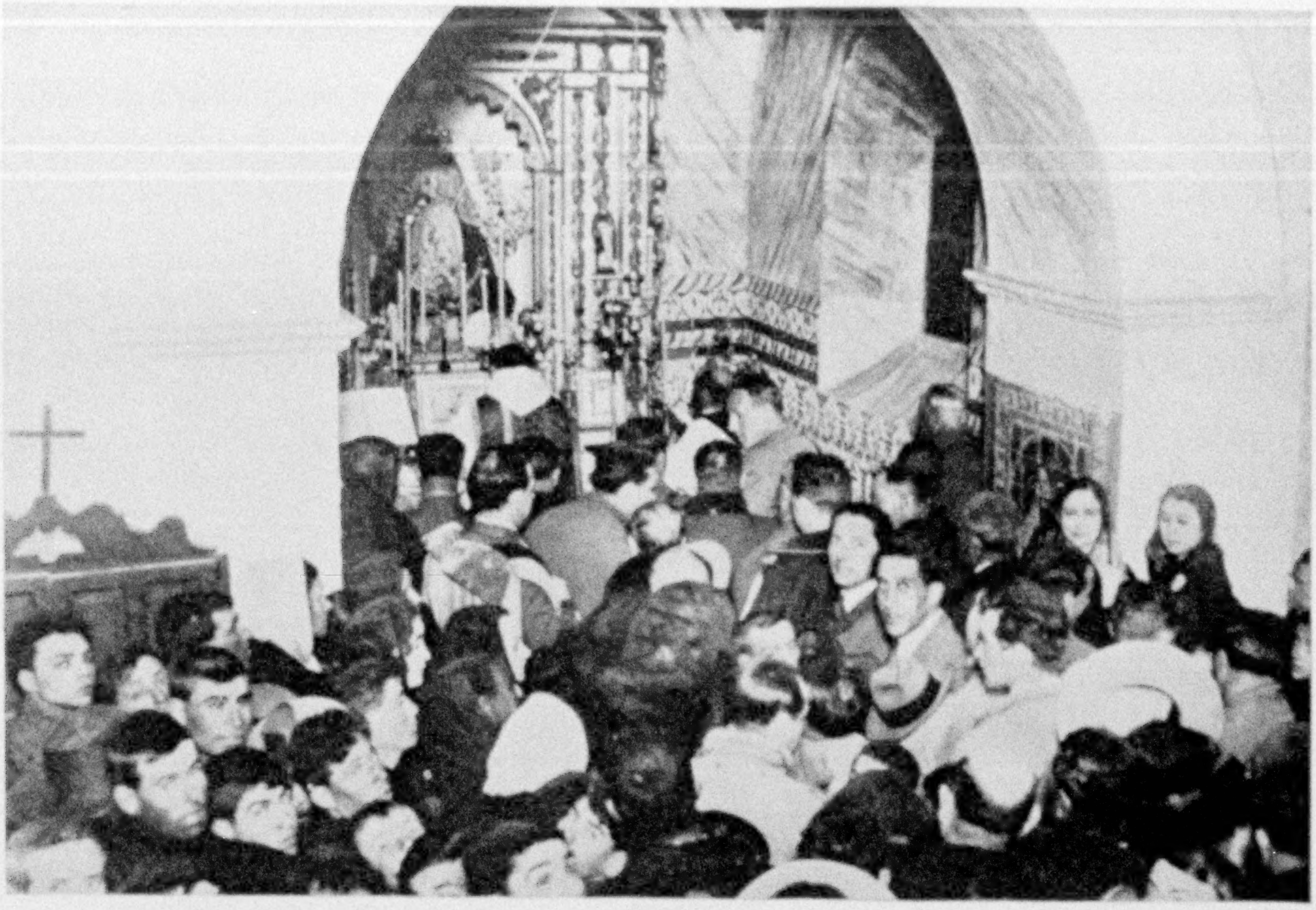
On the way back to the hotel several enterprising farmers were passed, each of whom had driven turkeys into town for the Christmas market, in exactly the same way as one drives a flock of sheep. Some twenty or thirty birds were gathered around each farmer on the open street, obedient to his words and making no attempt to run away. They set up a loud and protesting gobble-gobble when traffic pressed too closely upon them (see page 313).

A mile northwest of the city, rising abruptly above a dry, stony river bed, is a massive pile of rough, wine-colored rock 100 feet or more in height. Perched along its top is a large, rambling building, centuries old, with whitewashed walls, red-tiled roofs, and a Spanish belltower, now called the "Asilo de los Angeles" and used as an old-folks home. It is one of those thousands of out-of-the-way spots that send our artistic friends into ecstasies.

On a sunshiny afternoon in March there were wonderfully delicate tints of the setting sun upon those old white walls, and not a soul or a sound in the valley, except now and then a tinkle from the old belltower. We found that the building dated from 1584, when Franciscan fathers occupied it.

So many people begged for shelter in the monastery that in 1624 permission was asked to use caves in the rock near by as dwellings, because there was no further room in the building. This was granted, and before long a considerable congregation of hermits was formed and all the bordering land became green with cultivation.

Then came the general divestment of church property, and the building fell into



Photograph from Wide World

HISTORY REPEATS ITSELF AT THE OLD CHURCH OF ST. GEORGE

At Palos Columbus prayed to the Virgin of Miracles before setting out on the voyage which resulted in the discovery of America; and here, before the same shrine, this group gathered to pray for the safety of Spanish aviators, Commander Ramón Franco and his crew of three men, who were flying 6,232 miles, across the same ocean, to Argentina, in a seaplane. The flight was successful.

disuse. Only in recent years has it been used as an old-folks home, particularly with a view to taking beggars off the streets and caring for them.

The river bed, or *arroyo,* de los Ángeles, just below the convent, was used as a dueling ground in the 17th century. On April 7, 1678, several duels were fought by aristocratic Málaga youths, and José de la Torcada was killed. The bishop prohibited a Christian burial for the body, so a grave was dug in the arroyo where the youth fell. In the 18th century a monk discovered a deposit of lapis lazuli somewhere near this same spot, but took his secret to the grave with him, leaving behind many of these jewels as proof of its existence.

PHŒNICIAN AND ROMAN LANDMARKS ARE STILL TO BE FOUND

Another interesting spot—this one in the very center of the city itself—is the Gibralfaro, a miniature mountain, which rises straight out of Málaga's principal streets to a height of 560 feet. Halfway up the approach is the Alcazaba, which was the site of the original Phœnician settlement. It passed through the hands of Romans, Visigoths, and Moors, the latter capturing it in the year 711. They made this vantage spot half palace and half citadel, and it was not until August 18, 1487, that the Spanish standard was flown over its battlements. The Alcazaba was one of the very last of the Moorish strongholds on European soil.

To-day there are a few tortuous streets, steep and narrow, leading between old houses, many in ruins, and a group of gypsy huts. At one or two places the streets pass through archways with the houses built over them. If one looks sharp, there are still evidences of Phœnician and Roman occupancy—a column or two, an old stone doorway, or bits of retaining wall.

Formerly this part of Málaga, which is the most picturesque and interesting, was so dirty and the gypsies so menacing in their demands for "One penny, please,"

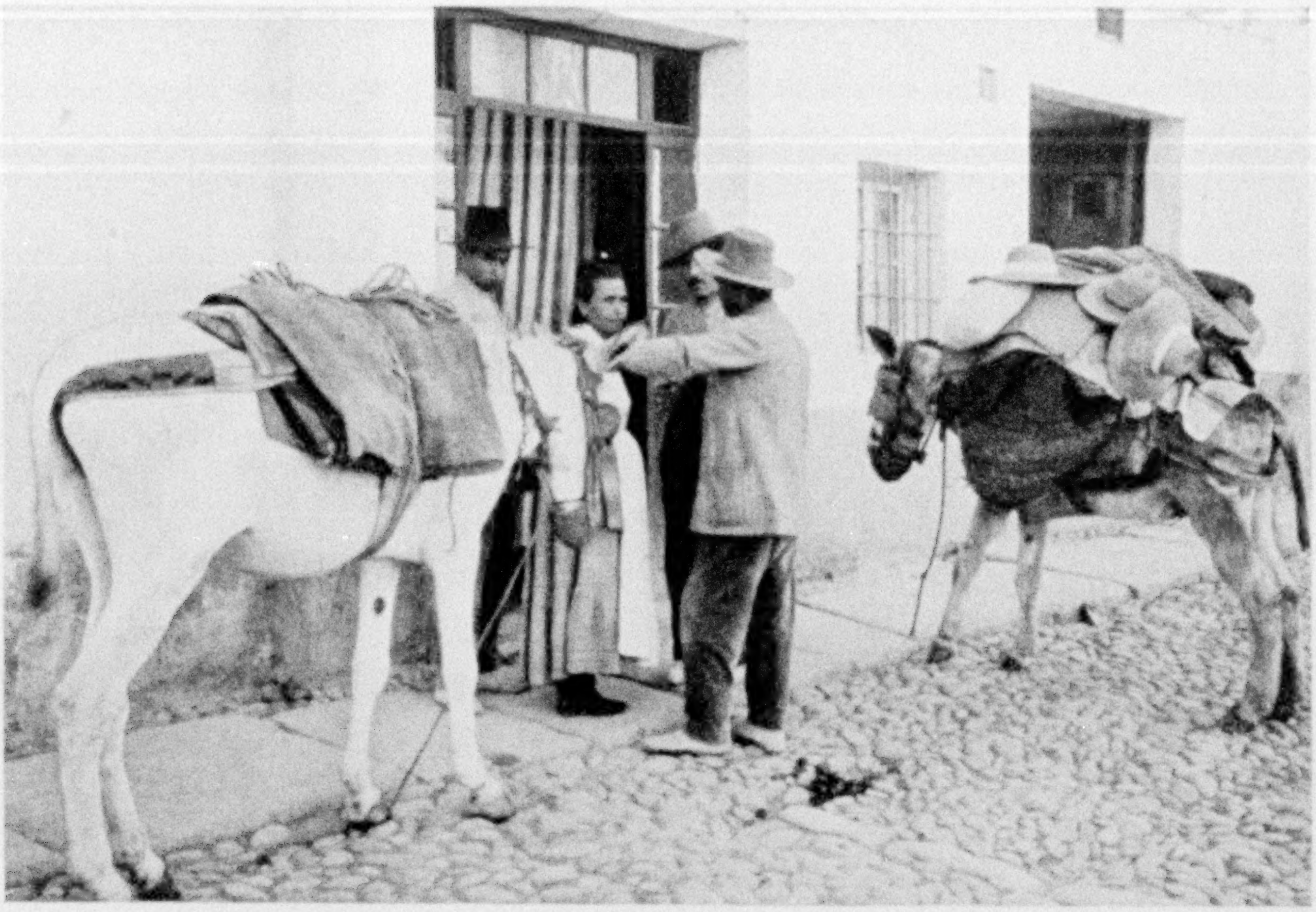
Photograph by Dr. Gilbert Grosvenor

BUNDLES OF CORK AWAITING SHIPMENT ON THE DOCKS AT ALGECIRAS

In 1927 Spain exported nearly 42,000,000 pounds of cork bark to the United States (see, also, illustration, page 277).

LABORERS AT THE PORT OF ALGECIRAS

Visitors who enter Spain by way of Gibraltar usually cross the bay from that town to Algeciras, which, from contact with foreign traffic, has become so modernized that little remains to it of Old Spain but its sunshine. Romans, Moors, and Crusaders from all Europe have passed through this ancient seaport, and in 1906 it was the scene of the important international conference on Morocco.



Photograph by Angel Rubio

A VISITOR FROM THE COUNTRY LEAVES A CITY INN

One of his beasts of burden carries a supply of *jipijapas* for his community.

that tourists were advised to leave it out of their itinerary. Now it has been cleaned up to some extent and the inhabitants are less importunate.

On a Sunday morning the Artist went up to sketch and noticed a group of men and boys squatting in the roadway in front of one of the houses. One of the boys would put his hand in a small bag, draw forth a disk, and call out a number.

Excitement reigned, and we joined the group to find that in front of each participant was a lotto card—precisely the same game that we so often played in our younger days! But the numbers were covered with copper coins, and hence the intentness of the players.

YOUTHFUL APPRENTICES FOR EVERY WORKMAN

We had bought a postal card of an interesting archway over an old street on the Alcazaba hill, which we were anxious to see, but could not find the spot. We showed the card to one of the onlookers at the lotto game and he immediately became our guide in the search. Up and down and at every dark corner he would stop and compare with the card. He showed it to women in doorways along the way and conferred with water peddlers in the street.

We covered the whole hill and finally concluded that the picturesque view on the card was a fake, or more likely that the place had been torn down, giving way to Málaga's many street-widenings and general improvements.

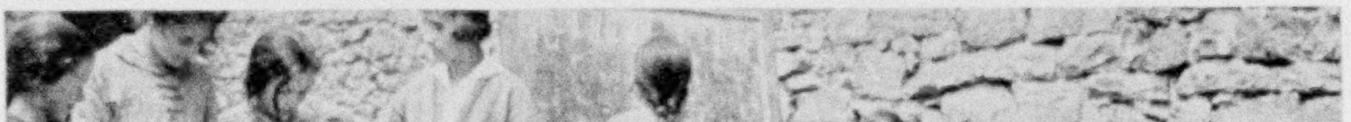
Our guide was a smart-looking, barefooted lad, clad in blue pants, a white shirt, and a round blue cap of wool, like a tam-o'-shanter with no pompon, called a *boina*, and used more in the Basque provinces than in the south. He wouldn't hear of a tip and it took arguing to get him to accept our 2-peseta offering. He was learning to be a plumber and had been working two years. We asked what he earned.

"A peseta a day," he said.

Not much, even for a beginner! These apprentice boys of twelve to fourteen years are a noticeable feature in Spain. Every plumber, carpenter, and electrician has a small boy to carry his tools and help with the job.

Photograph by Dr. Gilbert Grosvenor

ANDALUSIAN CHILDREN ARE ALMOST INVARIABLY SMILING AND ALWAYS COURTEOUS



THEY LEARN THEIR LESSONS OUT OF DOORS

The climate of Andalusia is such as to enable much schoolwork to be done in the open air. The elementary grades continue in session all during the year. On Sundays the teacher frequently accompanies the children on an excursion of some sort. This may take the form of a visit to the estate of some wealthy resident of the neighborhood, who usually provides a lunch for his young guests (see, also, illustration, page 325).

Photograph by Angel Rubio

TRAVELING PEASANTS STOP TO PREPARE A MEAL BY THE ROADSIDE

The men are in charge of a consignment of peat, a fuel which is used extensively among the Spanish lower classes.

In many cases taxi drivers have a boy to do the cranking and other onerous tasks. The hairdresser's boy accompanies him to the house, carrying a little bag, and sits on the steps while Madame is being marceled. In fact, even for the ordinary civilian, to carry a small parcel of any sort is not quite the proper thing. A boy should tag along behind, bearing the burden, however small.

THE PICTURESQUE FISH VENDER IS FAST DISAPPEARING

There is evidently an overabundant supply of these "helpers." Streets swarm with children. The least provocation causes scores to pour from doorways. A source of never-ending joy to them is the hand-organ man with his gay pasos dobles, tangos, and schottisches, when pairs of little girls start dancing around him on the streets. Some of them are only three or four years old, but they seem to be born dancers and immediately fall into the rhythm with all the grace of professionals.

There comes a man swinging down the middle of the narrow street in a graceful dogtrot, calling shrilly:

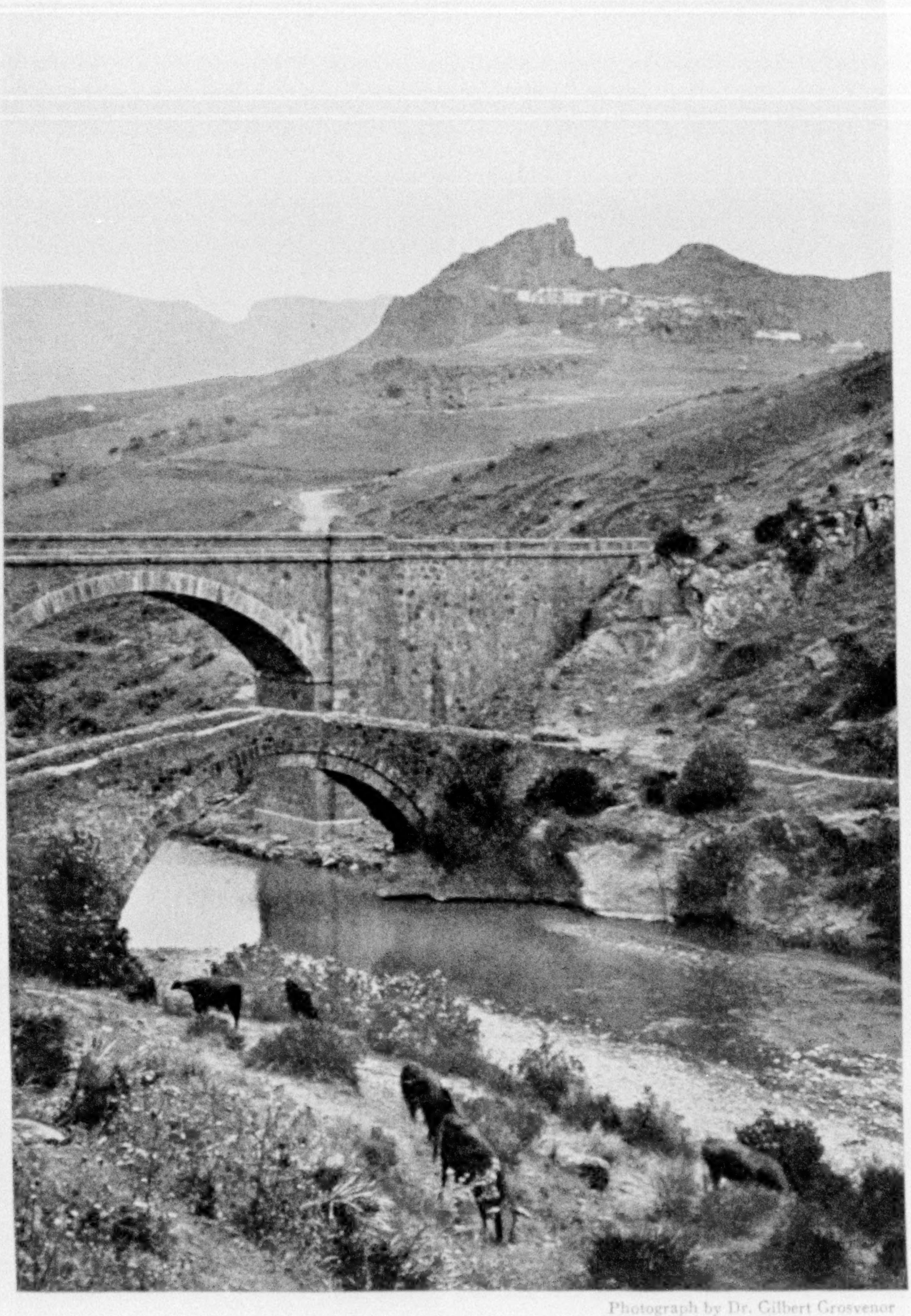
"Boquerones! Chanquetes! Lenguados finos! Calamares!"

He is the picturesque, barefooted, unique, and fast-disappearing Málaga fish vender, dressed in wide-brimmed hat, white shirt, wide sash of red, and blue trousers.

His wares are neatly arranged in two flat baskets about two feet wide, each having a long rope handle. He places his arms akimbo, arranges the ropes around forearm and elbow, so that the baskets, hanging within a few inches of the ground, will not brush against his legs as he jogs along.

He sells an astounding variety of fish, and most of them are delicious. Tiny whitebait an inch long, small sardines two inches long, and full-grown ones twice the length. Then there are red mullet, sole, and a small devilfish, which the local people prefer when it is cooked and served in its own ink.

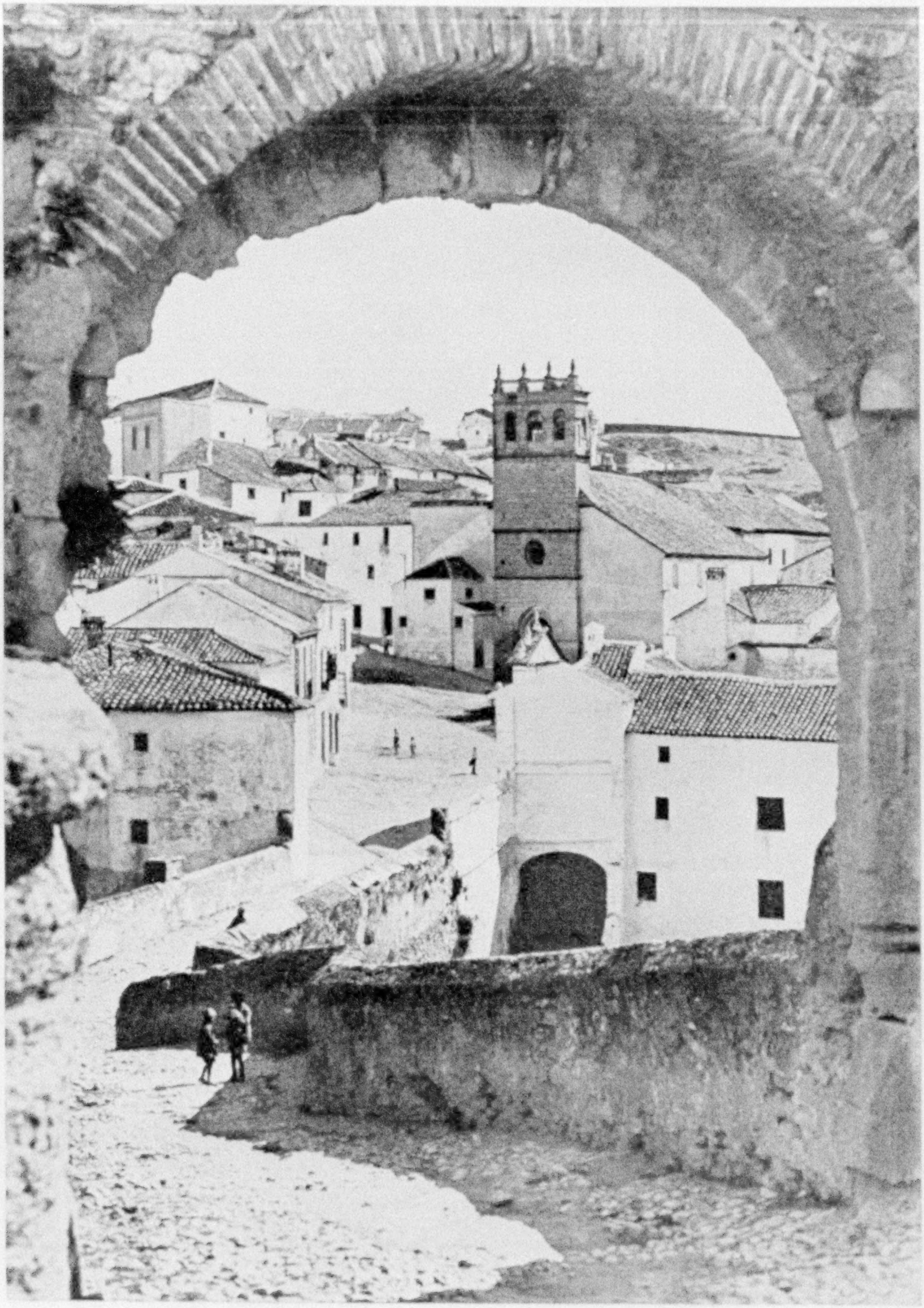
All along the coast there is evident a great activity in the fishing trade (see Color Plate III). The variety of craft includes steam trawlers, smaller lateen-rigged schooners, and innumerable open



Photograph by Dr. Gilbert Grosvenor

THE CRUMBLING TOWER AND BATTLEMENTS OF ZÁHARA CROWN A HILL NEAR RONDA

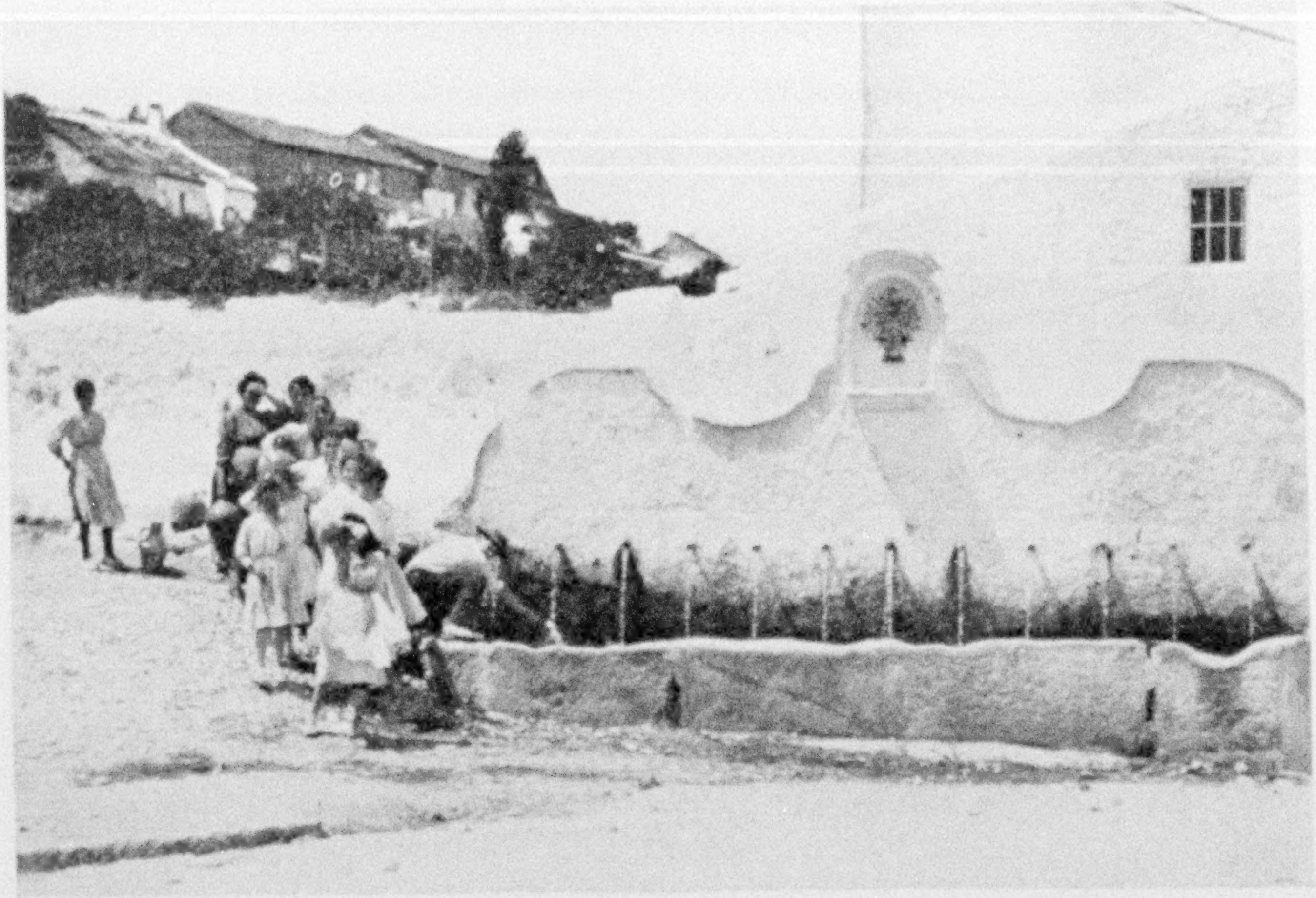
This famous Moorish stronghold was captured by the Spaniards in 1483. Just below the ruins on the hilltop are the white buildings of a modern town. The lower bridge in the foreground, after more than a thousand years of service, has been superseded by the larger structure beside it.



Photograph by Bartolomé Ros

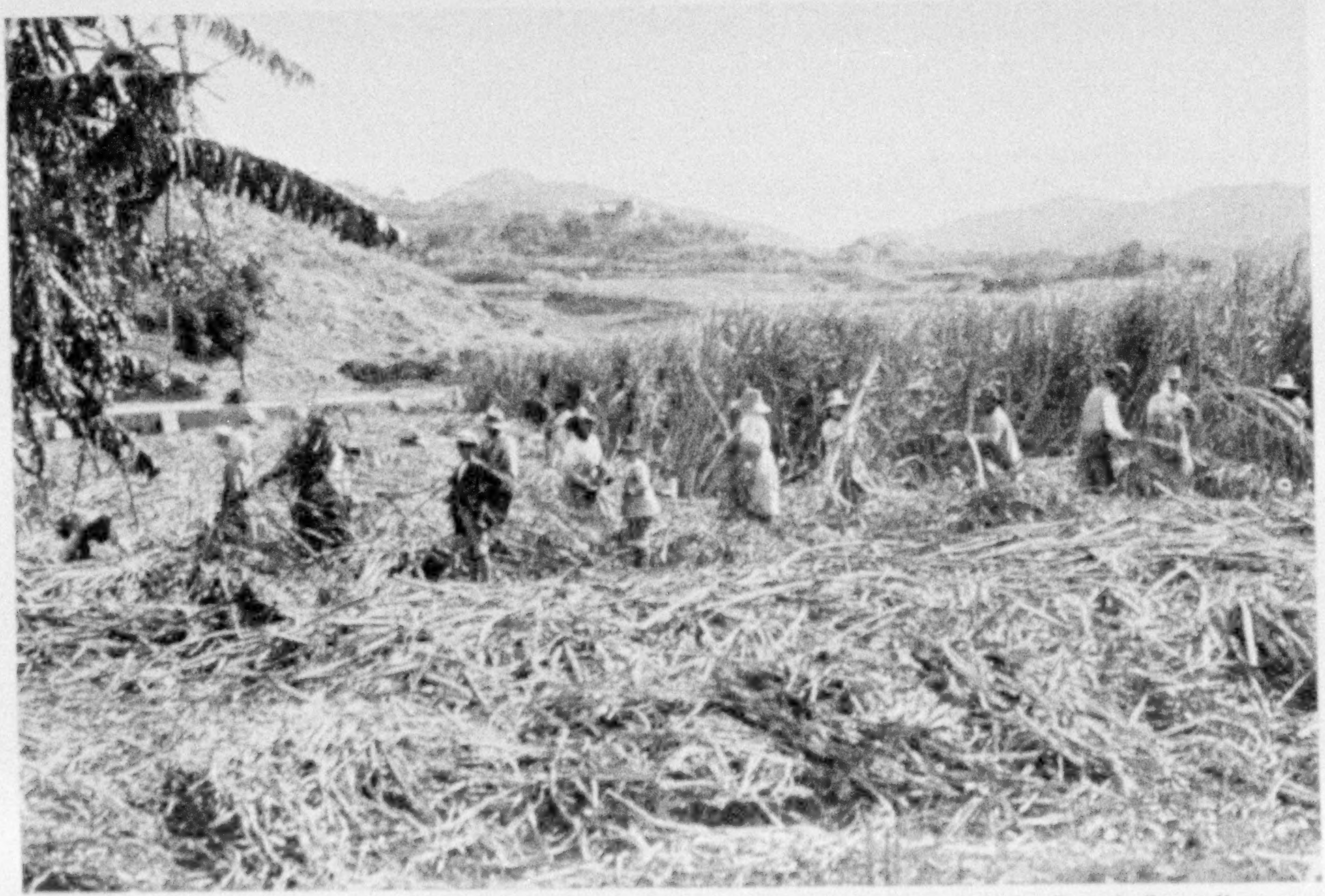
VISTAS THROUGH VENERABLE GATEWAYS ARE AMONG RONDA'S PRINCIPAL CHARMS

Both the old town, built by the Moors on the site of an earlier Roman settlement, and the new one, founded by Christian monarchs in 1485, are superbly situated. The former's narrow, crooked, cobbled streets and quaint buildings are frequently framed into pictures by an arch or gateway designed by Moorish architects of long ago (see, also, Color Plate VI).



Photograph from Harry A. McBride

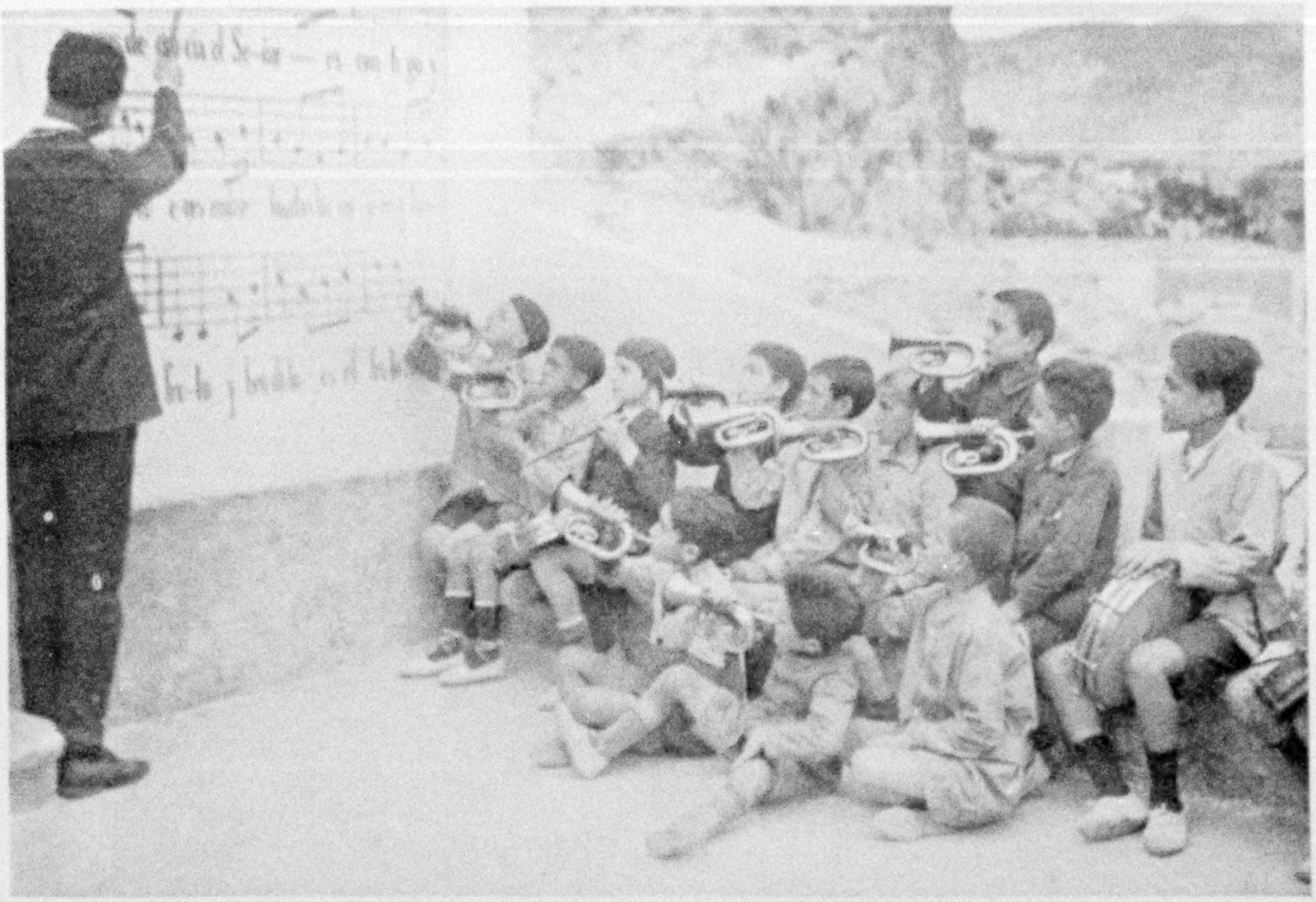
AFTER CENTURIES OF SERVICE, THE FOUNTAIN OF THE TWELVE PIPES STILL SUPPLIES GOOD WATER FOR THE TOWN OF LOJA, NEAR GRANADA



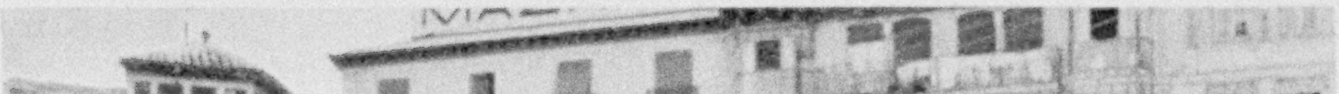
Photograph by Gervais Courtellemont

WORKERS IN THE CANEFIELDS NEAR MOTRIL

Spain produces within her own borders about 85 per cent of the sugar she consumes. In the south, along the Mediterranean, quantities of cane are grown, while the colder climate of the north is well adapted to the production of sugar beets.



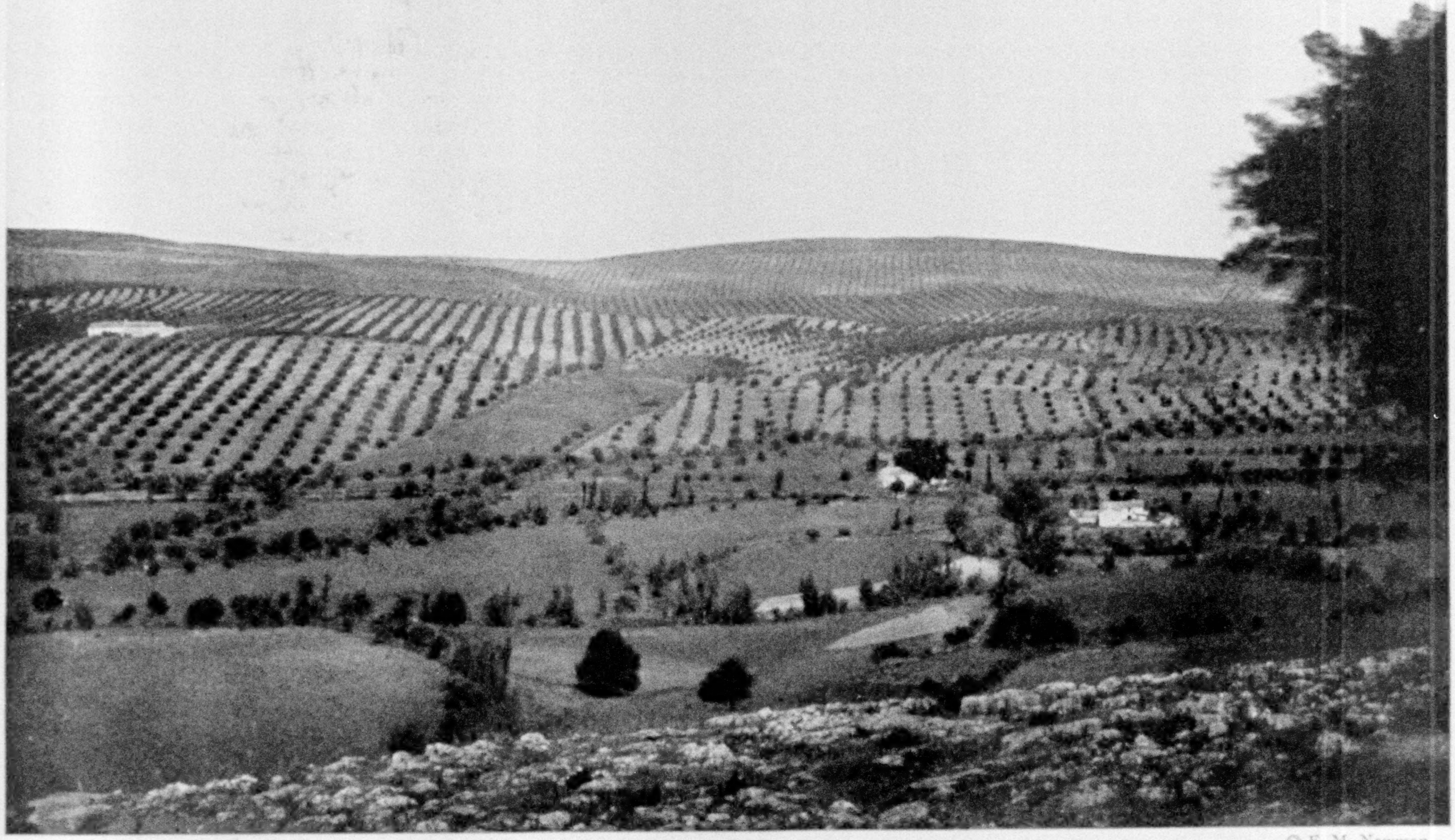
THE OUTSIDE WALL OF AN ALMERÍA SCHOOLHOUSE DISPLAYS THE SCORE FOR A DRUM AND BUGLE CORPS



Photograph by De Cou from Galloway

MULE TEAMS MAKE MUSIC AS THEY WORK

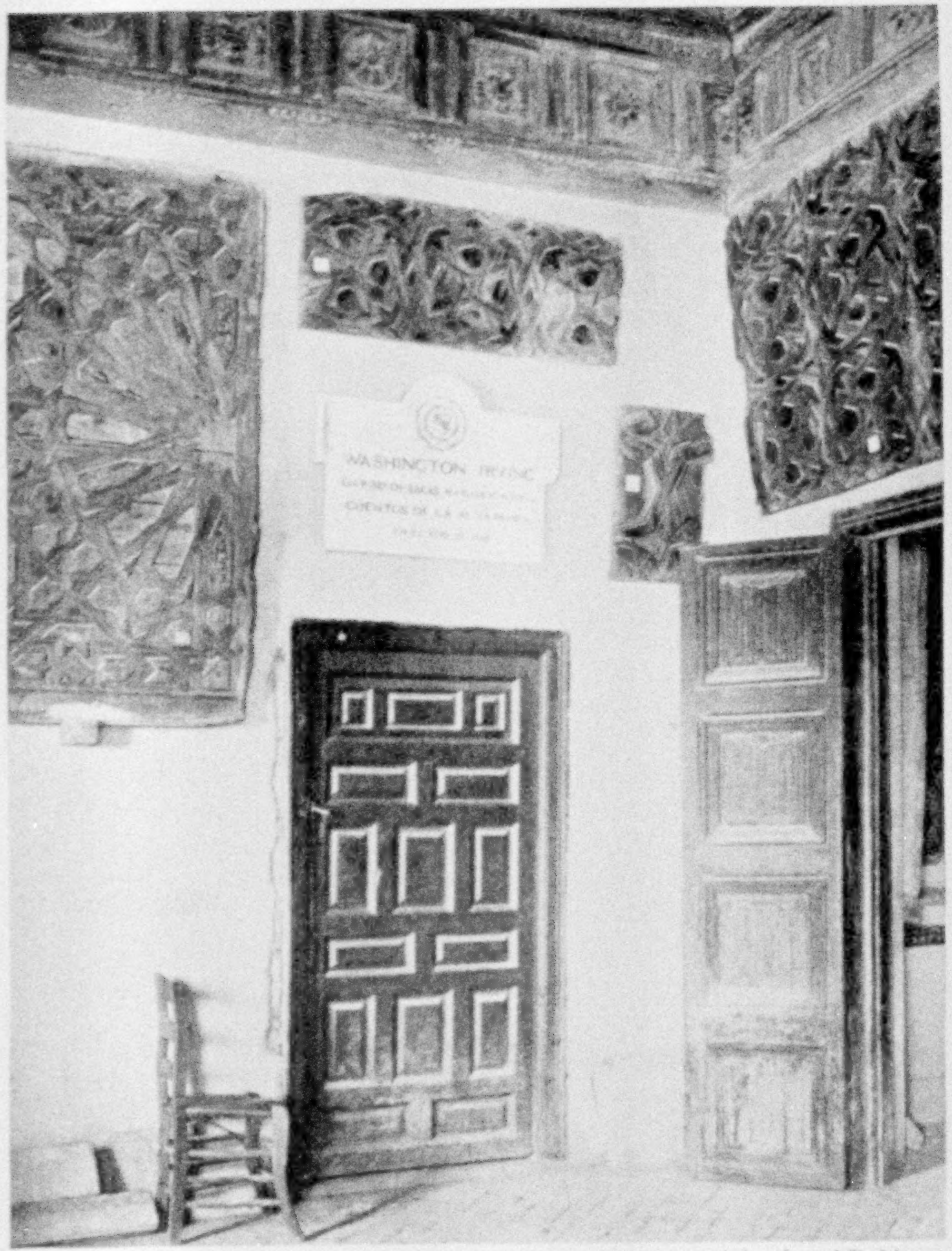
Sometimes as many as ten mules will be harnessed in single file before a cart. Each wears bells of a particular tone, and the driver, who sings as he walks along beside the team or rides on the wagon shaft, plays an accompaniment on them with his long whip.



© E. M. Newman

SPAIN'S GRAY-GREEN OLIVE ORCHARDS PRODUCE NEARLY A BILLION AND A HALF POUNDS OF FRUIT

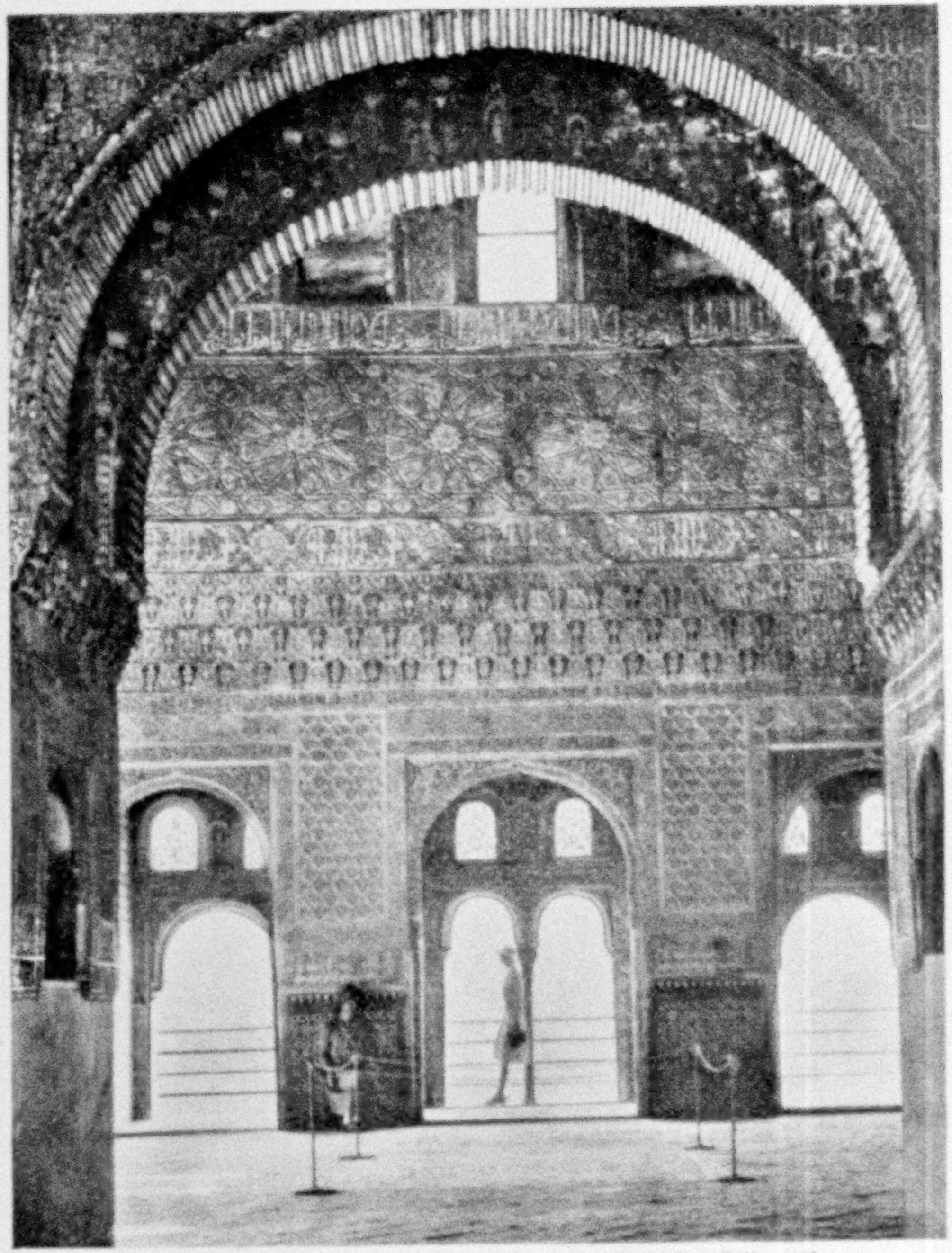
Millions of acres are devoted to the cultivation of the olive and great quantities of the fruit are exported (see Color Plate XXII). The best grades are pickled in brine and then bottled, mostly for foreign consumption. The smaller olives are packed in casks. Some of them are exported and some consumed at home. It is probable that the olive tree was introduced into southern Spain by the Phœnicians. These orchards are near Granada.



Photograph by Angel Rubio

A GREAT AMERICAN AUTHOR IS MEMORIALIZED HERE

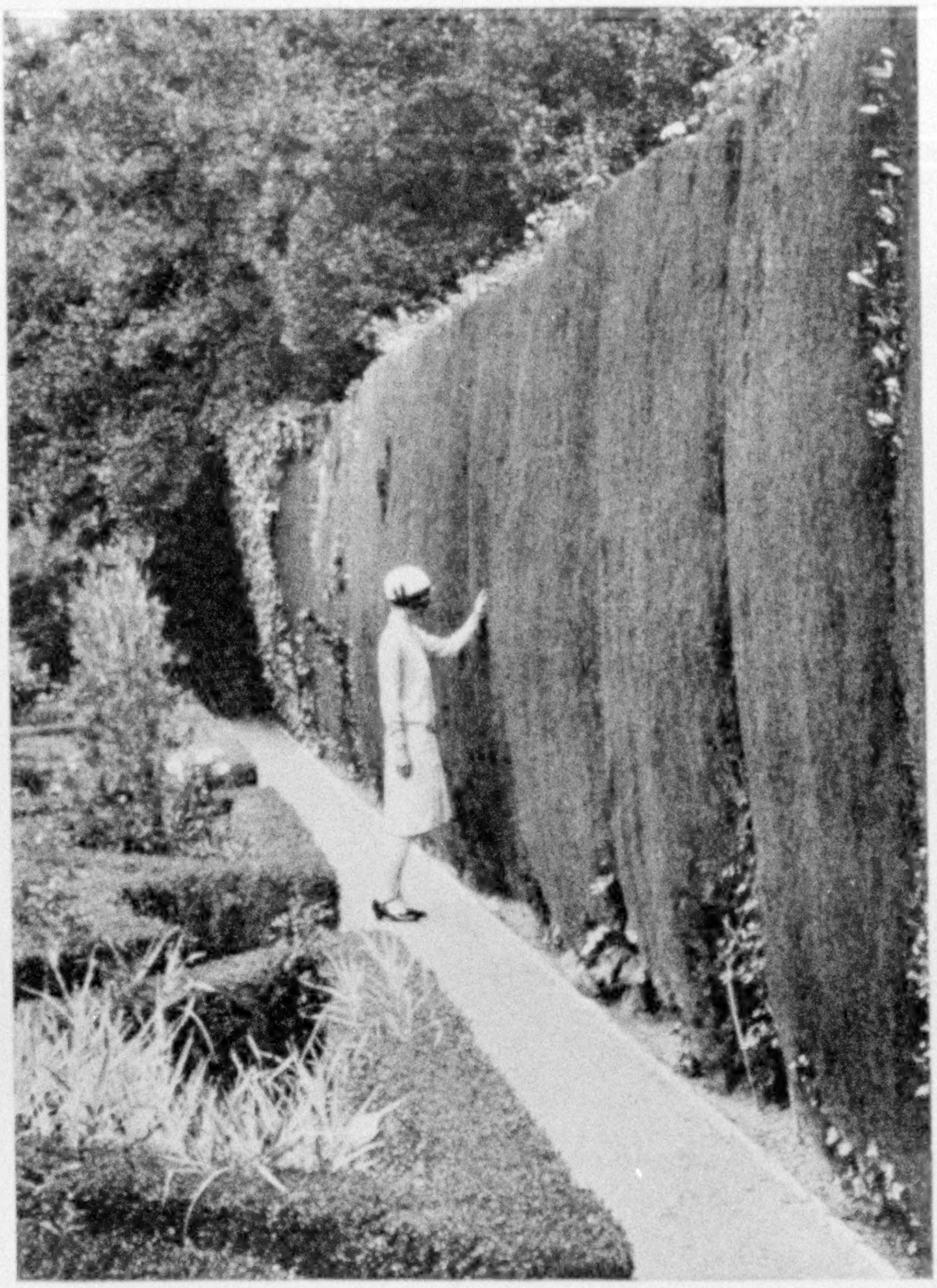
Washington Irving, who was once American Minister to Spain, lived three months in Granada's great Moorish palace, gathering material for his popular book, "The Alhambra." To this day the people of the neighborhood refer to him affectionately and familiarly as "Washington."



Photograph by Dr. Gilbert Grosvenor

THE HALL OF THE AMBASSADORS IN ALHAMBRA

The throne of the Moorish kings and later of Ferdinand and Isabella stood on the spot which is roped off. Here Isabella is reputed to have offered to pledge her jewels for Columbus when she sent him on his first voyage to America. The ornamentation of the hall is very rich and varied.



Photograph by Dr. Gilbert Grosvenor

A LIVING SCREEN CONCEALS A TERRACE WALL

These remarkable clipped cypress trees, in the garden of the Palacio de Generalife, near Alhambra, are very old, but by skillful pruning have been so checked in growth that the foliage curtain is not more than six or eight inches thick. This palace was the summer residence of the Moorish kings.

boats, manned by eighteen or twenty fishermen, pulling stoutly at oars and spreading the long nets in a semicircle. Ropes about a mile long, attached to the ends of the nets, are then grasped on shore by ten to twenty men and slowly pulled in.

Great excitement prevails as the net approaches shore and bits of silver are seen jumping and darting about in an effort to escape from the imprisonment.

Sometimes there is only a pitiful handful of fish to show for this half day of gruelling work, but more often the catch is satisfactory.

The fisherman's real bonanza, however, is on those rare occasions when a few stray tunny fish venture too near to the shore and are brought in by these flimsy nets; in such shallow water they cannot fight their way out. Then, indeed, are the fisher folk gay. The share of each crew amounts to more than they would ordinarily make in days or weeks.

We saw a donkey marching along to town with a 150-pound tunny strapped on its back, the burden looking bigger than the bearer and the fish's tail flopping up and down at each step. Seven barefooted fishermen, with joy written on their faces, made up the procession.

Such incidents happen a few times every year, and for the lucky *pescador* it is better than winning the lottery.

The open boats used in the trade are gaily painted in reds, yellows, and sky blues. The owners are still a superstitious folk and most of the boats have eyes painted on the prow, so that they may not fail to see the schools of fish.

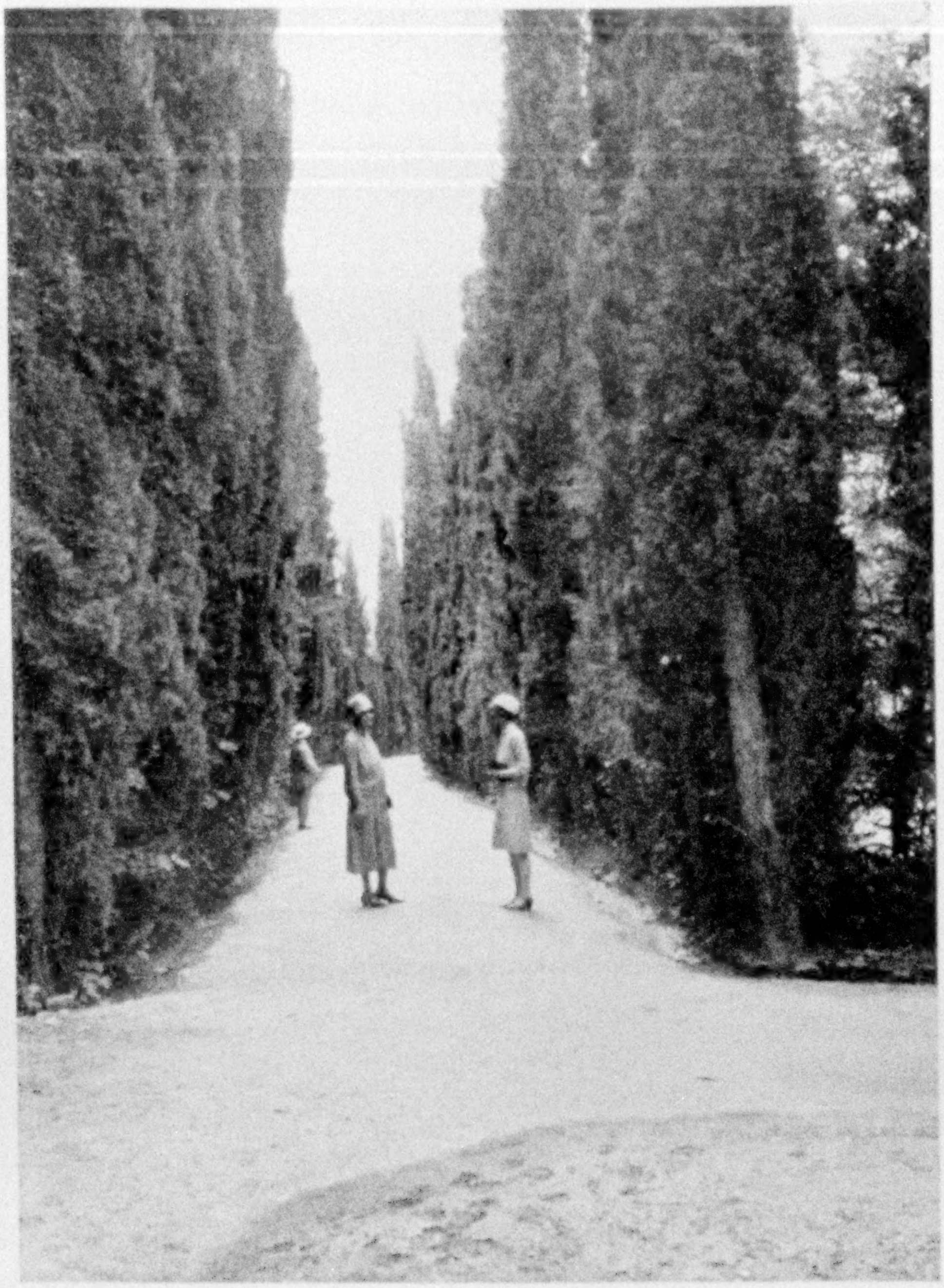
THE THREE KINGS SUPPLANT SANTA CLAUS IN SPAIN

The architecture of the modern Spanish home, from the Bay of Biscay to the Mediterranean, is of rather a monotonous sameness. People prefer to live in flats and the number of separate houses and villas is relatively small.

All cities are made up largely of streets of four- or five-story apartment buildings, some more ornate than others; but each apartment must have its balcony. Indeed, it will be a sad day for Spanish children when balconies are done away with. They have no Santa Claus, but place their faith in the Three Kings, Gaspar, Melchior, and Balthazar, the last being a Negro. These good kings go all over Spain, not on Christmas day, but on January 6, leaving toys and sweets for all the good little boys and girls.

There are no Christmas trees, nor are stockings hung up, but the little tots all put their shoes out on the balcony, and in the morning find them filled with presents.

In order that there shall be no lingering doubt that the kings have called in person, fond parents rub a little charcoal on the child's cheek after he has fallen asleep, on the eve of the great day. The child wakes in the morning, and first runs to the looking glass to see if Balthazar has kissed him. This being ascertained, he is pretty sure that happiness awaits on the balcony.



Photograph by Dr. Gilbert Grosvenor

THE AVENUE OF THE CYPRESSES IN THE GARDEN OF THE GENERALIFE: ALHAMBRA

MANY HOMES WITHOUT CLOCKS

Although Spain is awakening at a rapid pace, yet that old word *mañana* still has an important place in the vocabulary of the people, and in some respects one almost hopes that this will continue. The putting off of doing things until "to-morrow" at least shows a worthy desire to linger and enjoy, rather than to rush through life, urged ever on by a timepiece.

Opposite the hotel in Málaga, there was a prominent shoemaker to whom we took a pair of shoes to be repaired. We went in two days later and they were not ready, and the following conversation took place:

"Will they be ready to-morrow?"

"No, señores, impossible."

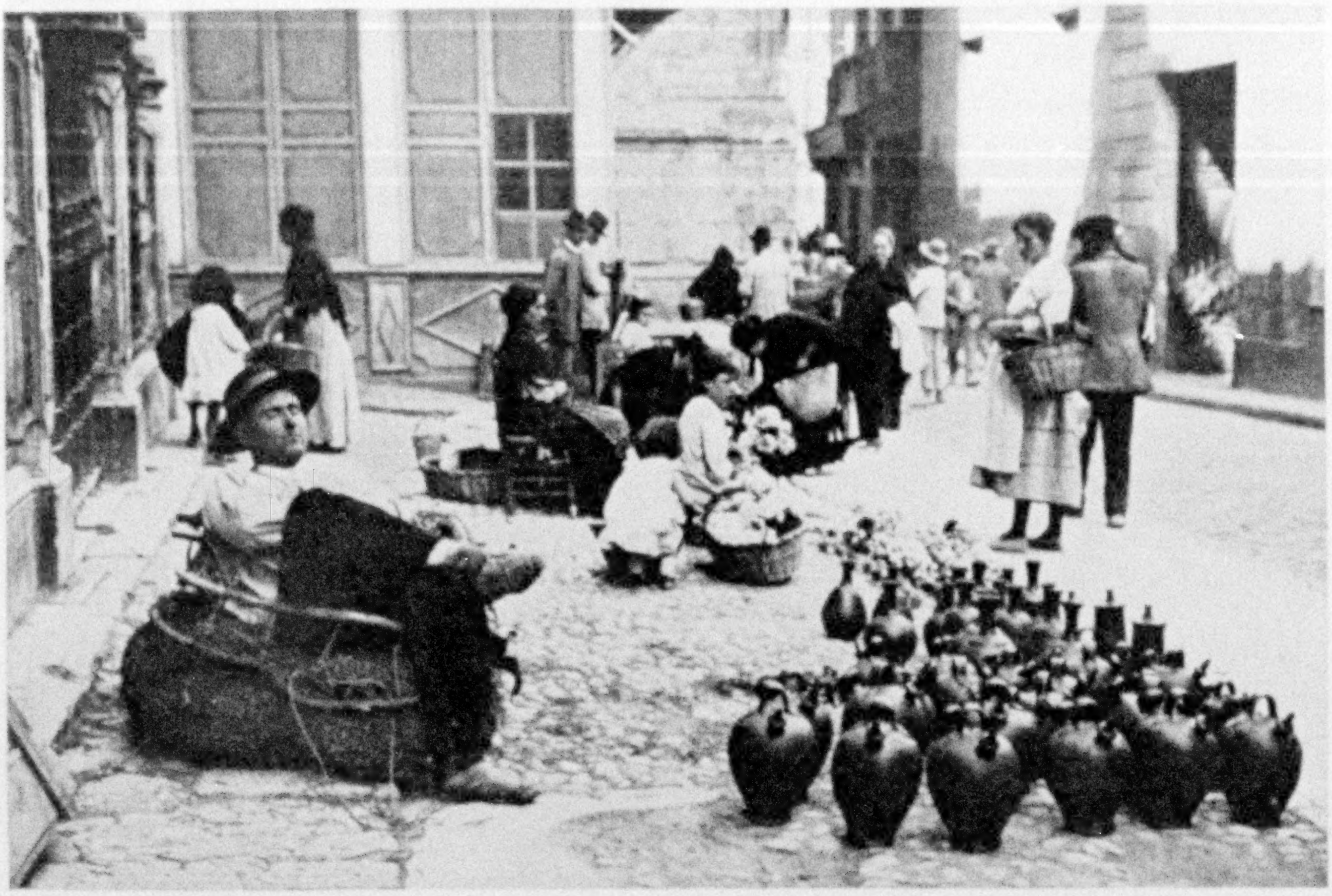
"Then the day after?"

"Yes, that is quite possible."

"All right, we will call for them at 3 o'clock."

"I didn't say anything about 3 o'clock," retorted the shoemaker, in some heat. "I said day after to-morrow, but I don't know whether it will be 3 o'clock, or 1 o'clock, or 5 o'clock. I have no clock in the place. God save me from having to dance around to the tune of these modern contraptions. I'll do the shoes when I can, and better than that I cannot promise."

This is not the idea solely of the shoe-



Photograph by Angel Rubio

THE SPOUT IS AN ESSENTIAL FEATURE OF THE SPANISH WATER BOTTLE (SEE TEXT, PAGE 311).

A Granada vender of water bottles utilizes the baskets in which he has brought his wares to market to provide a comfortable seat.

maker, for I know many families where no clocks are allowed in the home.

IN PURSUIT OF QUAINTNESS AMONG MOUNTAIN VILLAGES

The quest upon which we had embarked in this tour was, however, really for more quaint and unusual spots than those afforded in a big city, and our plan of action was, therefore, directed toward the smaller villages in the mountains. Whenever possible, we used a motor car for transportation, though some villages are still accessible only by donkey and mule trail.

The traffic encountered on the way is a gauge in itself of the tremendous difference which exists between this Andalusian land and our modern rural United States. When once out of the city, one may go for miles and miles without meeting a single person or conveyance.

This solitude, in which one appears to rule supreme as far as eye can see, was one of our chief joys, looking over bright valleys and range upon range of purple mountains. Some of the roads are only fair, but others are surprisingly good, and most of them are wider than roads in France and Italy.

Then one passes a long-eared donkey bearing a lone farmer in corduroy trousers, red sash, and wide-brimmed Cordovan hat, his face a composition of sharp, clear-cut features, deeply lined with wrinkles and striking, kindly, dark-brown eyes. "Go with God," he calls, as you pass. A moment later you hear him singing a plaintive melody, as he winds his way homeward.

A DONKEY TAKES THE PLACE OF REINS

Next we meet a large covered cart on two wheels of fully 5-foot diameter. This is drawn by four large mules, with a little gray donkey at their head, all hitched in single file.

The driver is huddled under the covering, with never a rein or rope to guide his train of beasts. This is the raison d'être of the donkey, which has been carefully trained to turn to left and right upon the call of the driver. So expert and intelligent are these tiny guides that the cumber-

© Underwood & Underwood

ALHAMBRA SITS ATOP A HILL IN GRANADA

The palace of the Moorish kings of Granada was not the creation of a single ruler. It was probably begun about the middle of the 13th century and was under construction for many decades. The full Moorish name was Khalat al-Hamra and signifies, according to one interpretation, "the Red Castle," from the color of its stones.

some conveyances are conducted through towns and villages, and even cities, without difficulty or accident (see illustration, page 277).

THE CART DRIVER SHOPS FOR HIS ENTIRE VILLAGE

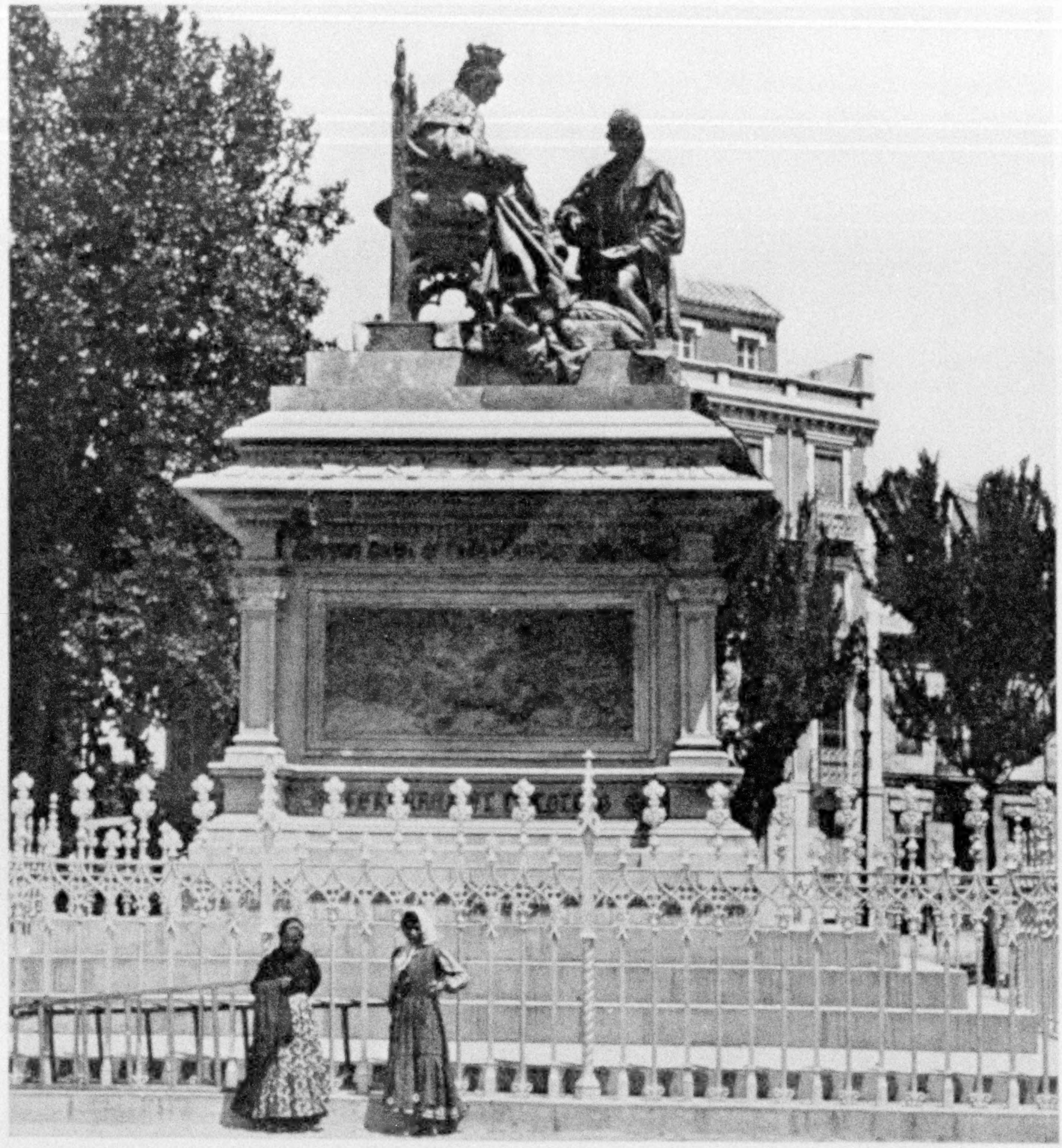
These immense carts, with their trains of four or five animals strung out in front, are among the striking sights on the road. In the south they are almost the sole means of transporting freight and agricultural products of all kinds from village to town, because there are few railways in this mountainous land.

Each village has one or more such carts, with the name of the locality printed under the driver's seat, and generally owned and operated by a *cosario*, or trusted carrier. He leaves the village with boxes and bags full of local produce belonging to any number of villagers, which he will deliver in the city and often sell on behalf of the owner, driving the bargain with great conscientiousness.

The housewives give him a list of calico, thread and needles, pots and pans, and even baby cradles, to buy for them in the city. The village youths order their bull-fight tickets through this trusted messenger.

And, withal, he operates under no bond; his business is built solely upon trust in his honesty and confidence in his commercial ability and taste.

Each mule of the train costs him the



© Elmendorf from Galloway

GRANADA'S BRONZE MEMORIAL TO QUEEN ISABELLA AND COLUMBUS

Ferdinand and Isabella are both entombed in the Royal Chapel adjoining the Cathedral of Granada. Although the beloved lady died far from there, it was her express wish that she be buried in Granada, "the brightest pearl in her crown."

equivalent of $200, and the wise little donkey costs about the same, though he is only a quarter of the mule's size. Some of these carts carry as much as two and a half tons, and often come from villages three days' journey from the market places, stopping at wayside inns at night.

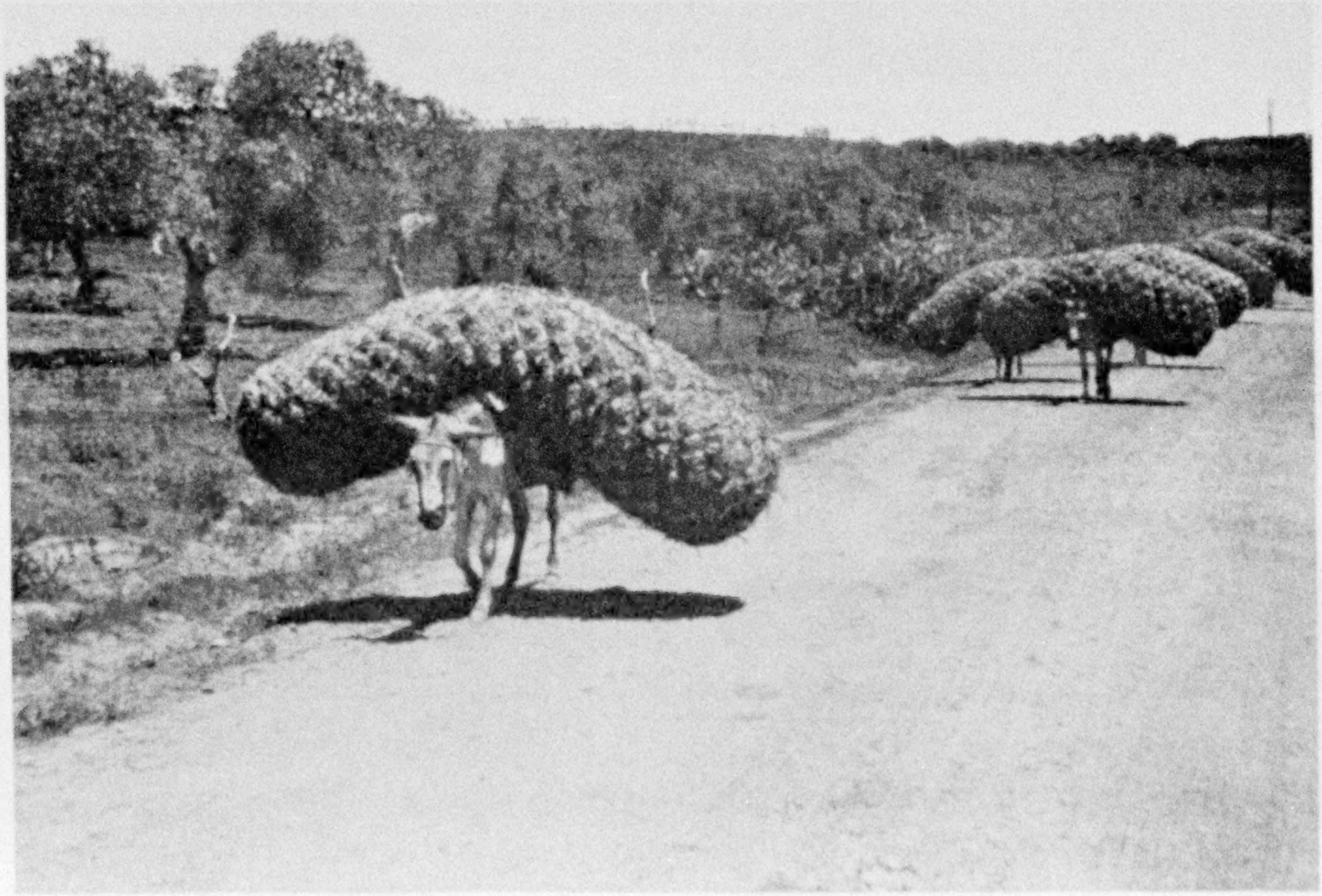
The crew of this freight train is the driver, his assistant, and a large, bad-tempered dog chained to the rear. This last member efficiently eliminates all need for insurance against theft.

When the locomotive force requires fuel, the cart is stopped and little canvas troughs on folding legs are set before each mule and filled with fodder. After refreshment, the train resumes its journey.

Of the motor cars in the south, the number of which is rapidly increasing, four out of five are American. All our well-known makes are represented, but the Spanish pronunciation makes their names almost unrecognizable. Trucks are also

Photograph by Ángel Rubio

A DIFFERENCE OF OPINION ARISES AMONG SANTANDER'S FISHWIVES



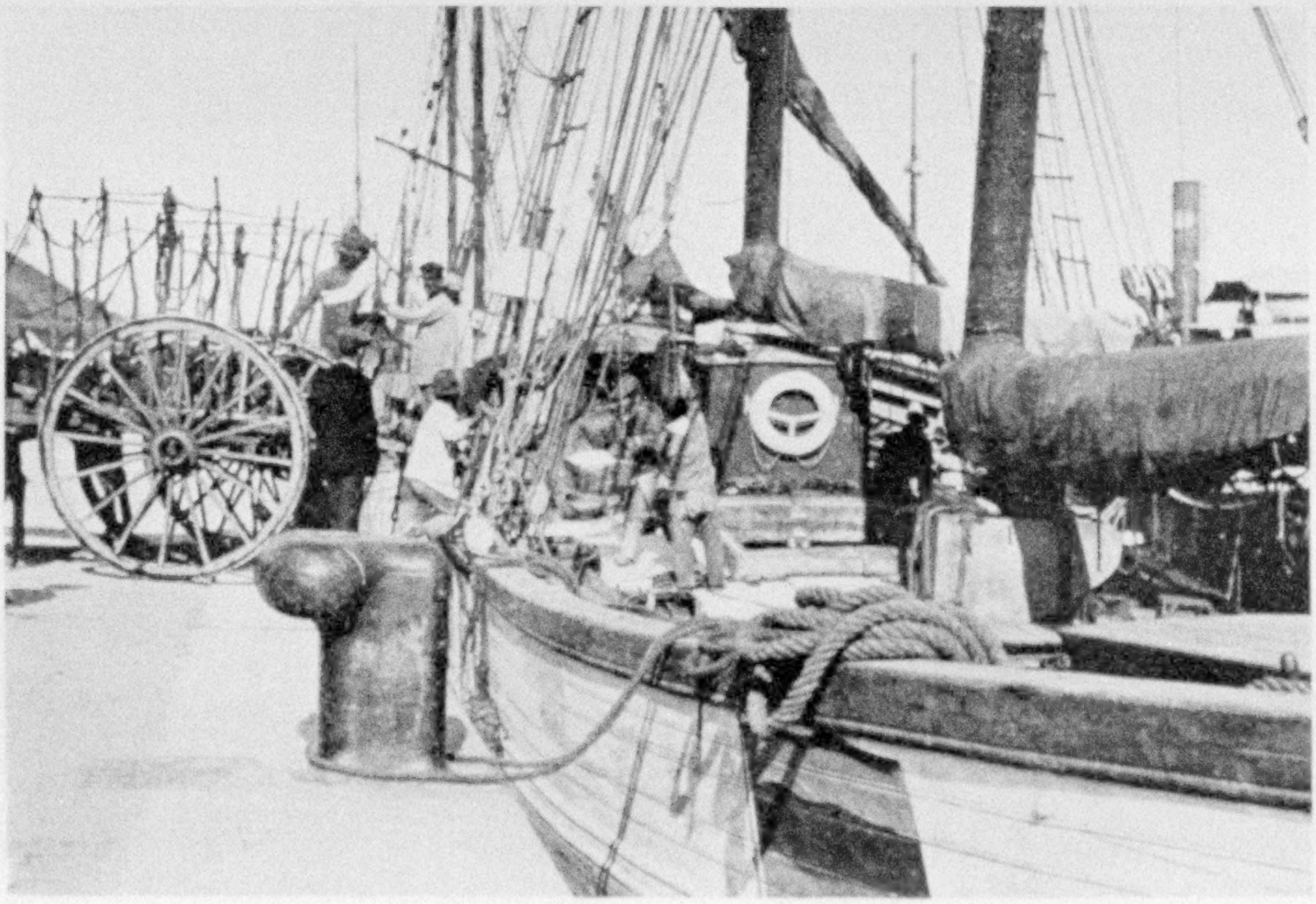
Photograph by Dr. Gilbert Grosvenor

CARRYING STRAW TO MARKET

Many Spanish villages thresh and winnow grain in the Biblical fashion. A flat surface of a field near the edge of the hamlet serves as a threshing floor, on which donkeys and oxen drag sledges over yellow grain stalks. After the grain is winnowed by tossing it into the air, the straw is loosely baled and taken to market on the backs of the patient, ubiquitous donkey.

Photograph by Gervais Courtellemont

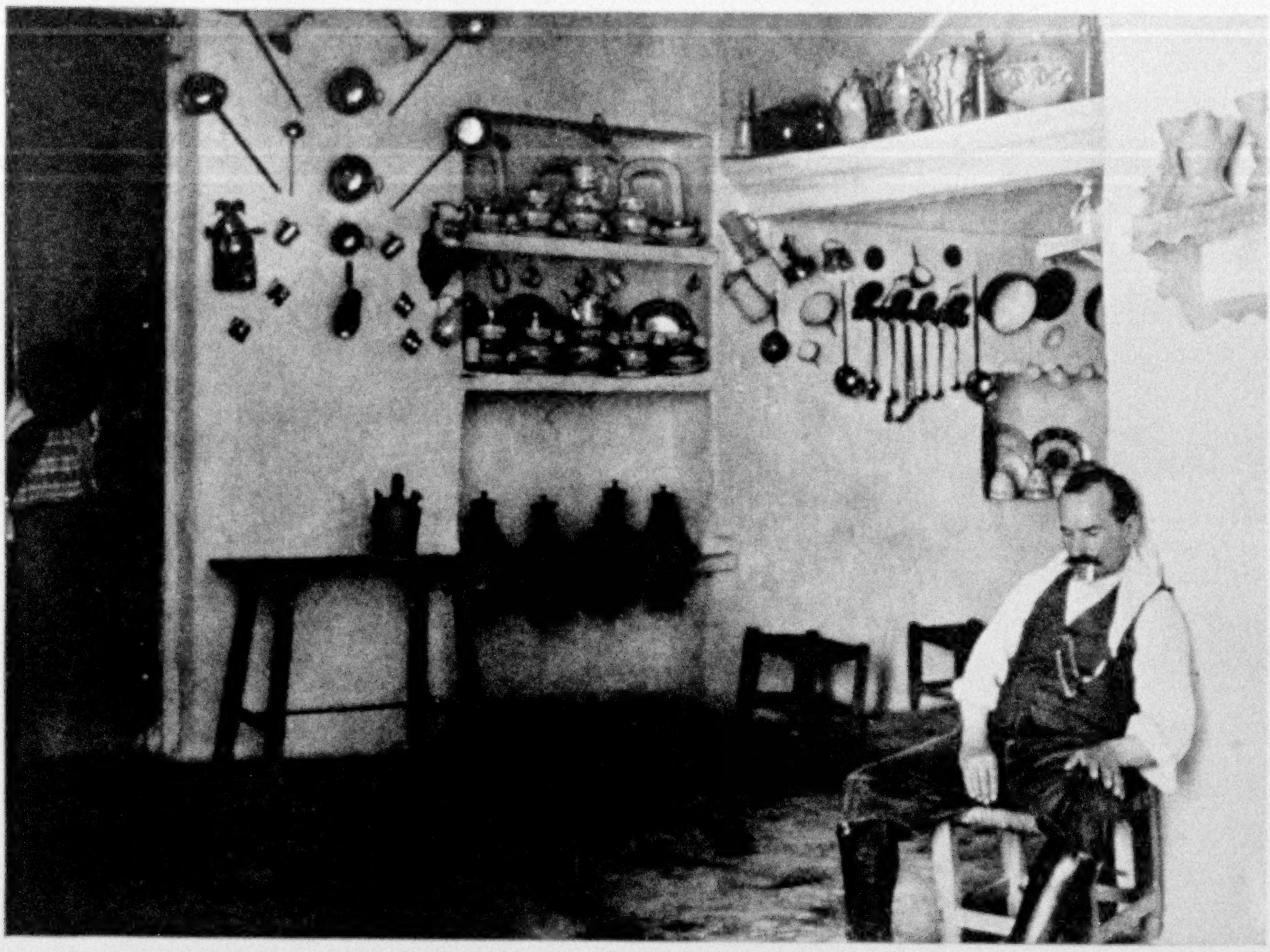
IRRIGATED RICE FIELDS ARE A FEATURE OF THE VALENCIAN LANDSCAPE (SEE, ALSO, COLOR PLATE XX, UPPER)



Photograph by E. Gehrig

SAILING VESSELS CARRY MOST OF THE FREIGHT ALONG THE SPANISH COAST

Boats of this type frequently belong to a family whose father and sons constitute captain and crew. They move leisurely up and down the coast, stopping wherever they have occasion to, for time is seldom an important element in their affairs. Sometimes a boat and its proprietors will have the same customer for generations.



Photograph by E. Gehrig

POTS AND PANS LINE THE WALLS OF A COUNTRY INN

These implements of the culinary art are mostly of polished brass or copper. They share the wall space with a few pieces of china and the inevitable earthenware jugs, which are used to keep drinking water fresh and cool (see, also, illustration, page 330).

making their appearance and will some day drive the picturesque mule carts from the roads.

We passed a procession of seven large 2-wheeled carts, each drawn by a pair of heavy bullocks, lumbering along at a snail's pace and piled high with luscious oranges, to be paper-wrapped and boxed by girls and women near the water front for shipment to English markets.

The driver walks along in front with a long pole, with which he guides his bullocks by tapping upon the wooden yoke resting upon their necks.

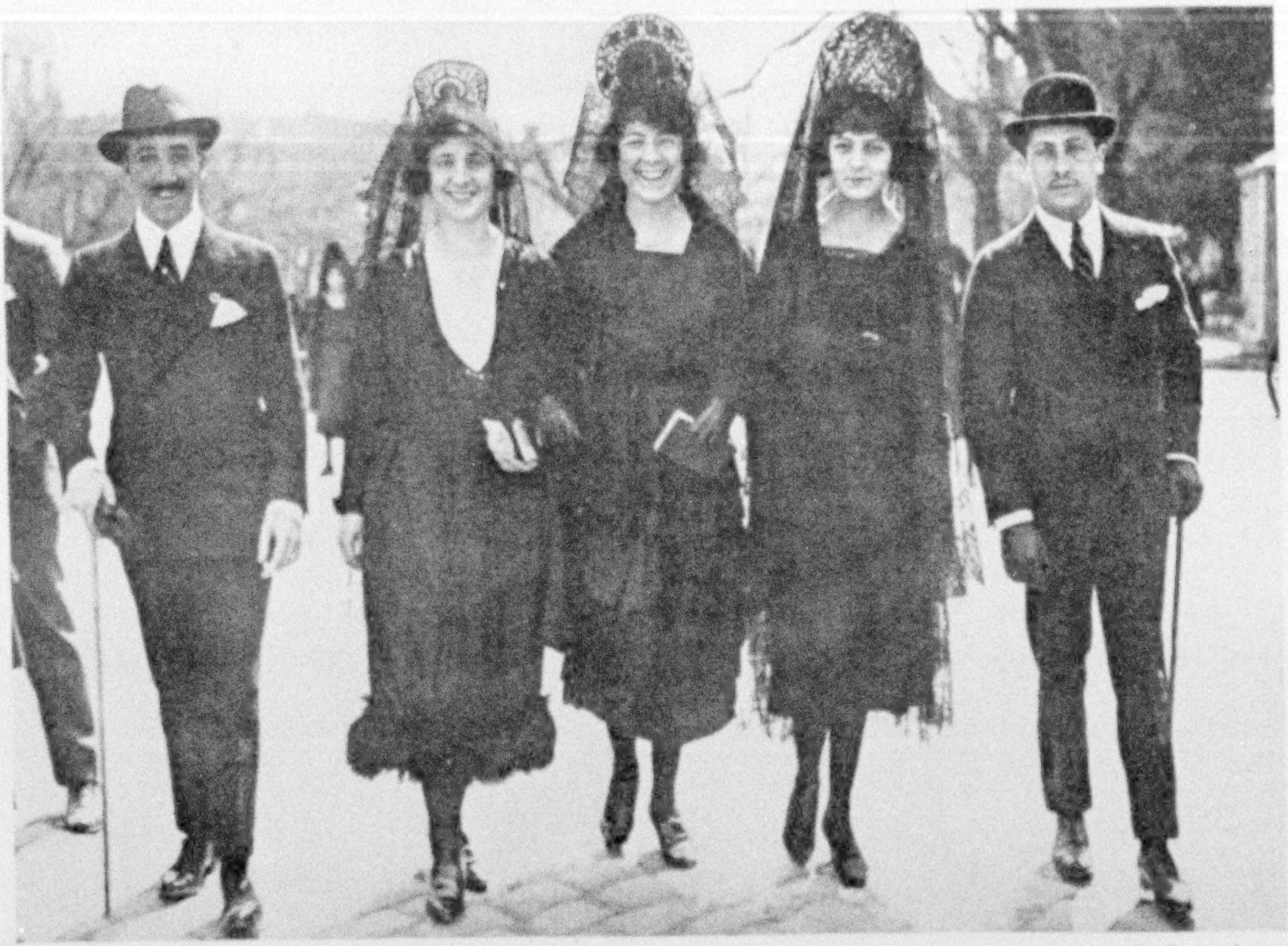
THE STRAW-HAT TOWN OF ALMOGÍA CLINGS TO A MOUNTAIN

An hour after leaving Málaga, and after having zigzagged back and forth, but ever upward, over the mountain road, we saw the village of Almogía suddenly spring into view—a cluster of one-story, white-walled, red-roofed houses, overtopped by the old square church tower.

Almogía is veritably hung on the mountain's side, all the narrow, cobblestoned streets being so steep that most of them are made in the form of stairs.

Apparently, foreign visitors are not frequent, for we were immediately surrounded by dozens of children, who followed us about in quite an orderly manner, full of curiosity. The kindly old priest permitted the Artist to set his easel in the doorway of the old church, looking directly down a street which descended abruptly and then climbed straight up in front again, each line of roofs above the other, so that there were seven tiers of houses before us.

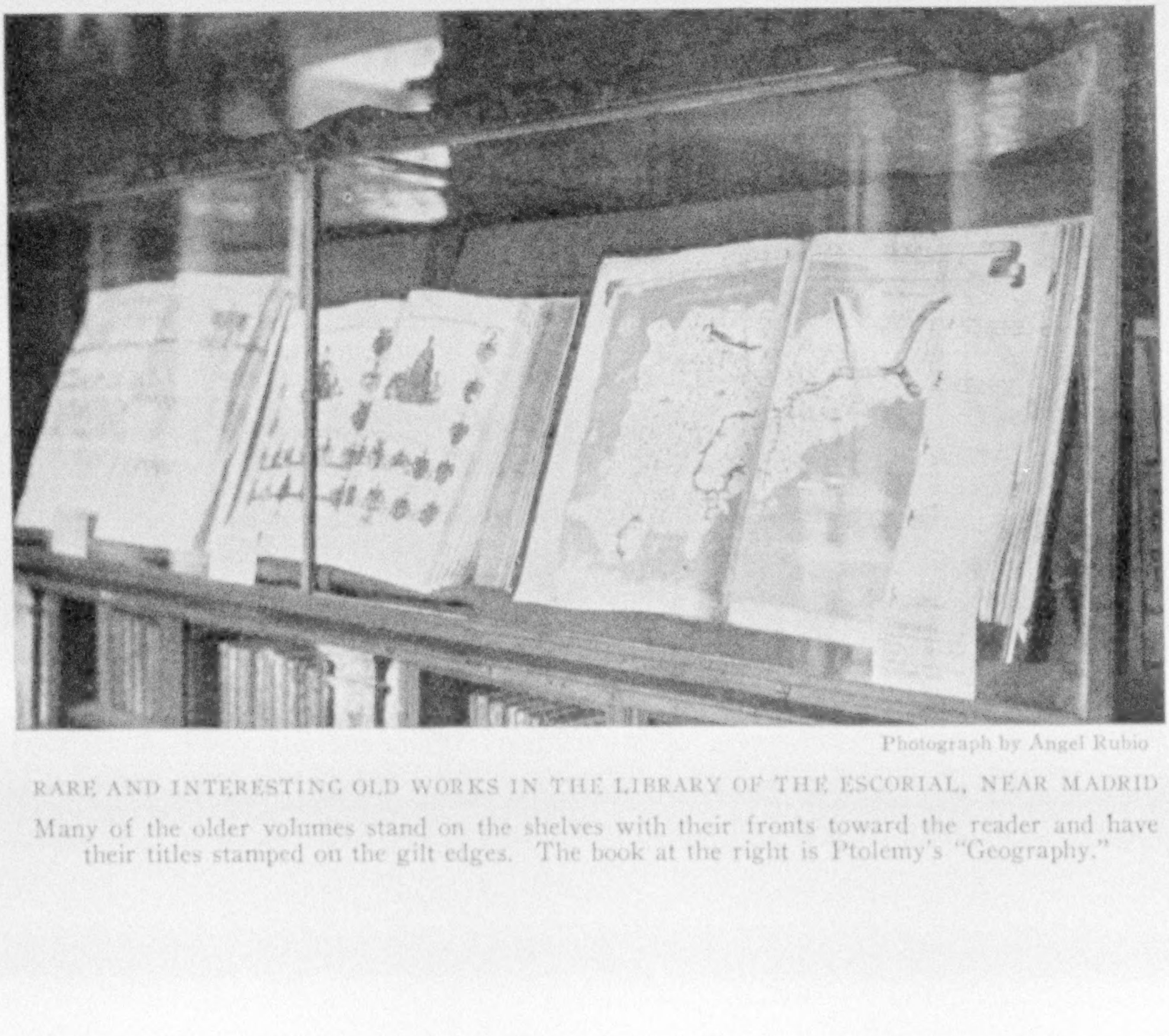
Almogía was once the center of an important straw-hat industry, the cheap, broad-brimmed, high-crowned hats used by farmers in America. These were made by all the women of the village, who sewed the straw braid on American sewing machines. So great was the industry that one of the most flourishing agencies in Spain of the sewing-machine company was located in this tiny village, almost lost in



Photograph from R. Granados

PROMINENT CITIZENS OF MADRID RETURNING FROM CHURCH

During Holy Week the high comb and mantilla are much in evidence in the streets of Spanish cities.



Photograph by Angel Rubio

RARE AND INTERESTING OLD WORKS IN THE LIBRARY OF THE ESCORIAL, NEAR MADRID

Many of the older volumes stand on the shelves with their fronts toward the reader and have their titles stamped on the gilt edges. The book at the right is Ptolemy's "Geography."

Photograph by Gen. Marlborough Churchill

SHOPKEEPERS OF OLD MADRID

The appellation made so familiar in the words of a popular song hardly applies to the Spanish capital of to-day, for Madrid is a fine modern city. But the automobile has not supplanted horses and mules here. Leather and harness shops still thrive.

the Sierra de Abdalagis. As many as a thousand gross of the Almogía hats have been shipped to New York on one vessel.

Mexican hats have since captured the American market, and Almogía now supplies only the local and a very small export trade. On Málaga streets venders are seen in the summer with armloads of these straw hats, calling out their Spanish name: "Jipijapa!"

AMONG THE ALMOND GROWERS

This little village is in an important almond-growing section, producing the famous Jordan almond, which grows nowhere else in the world except in southern Spain.

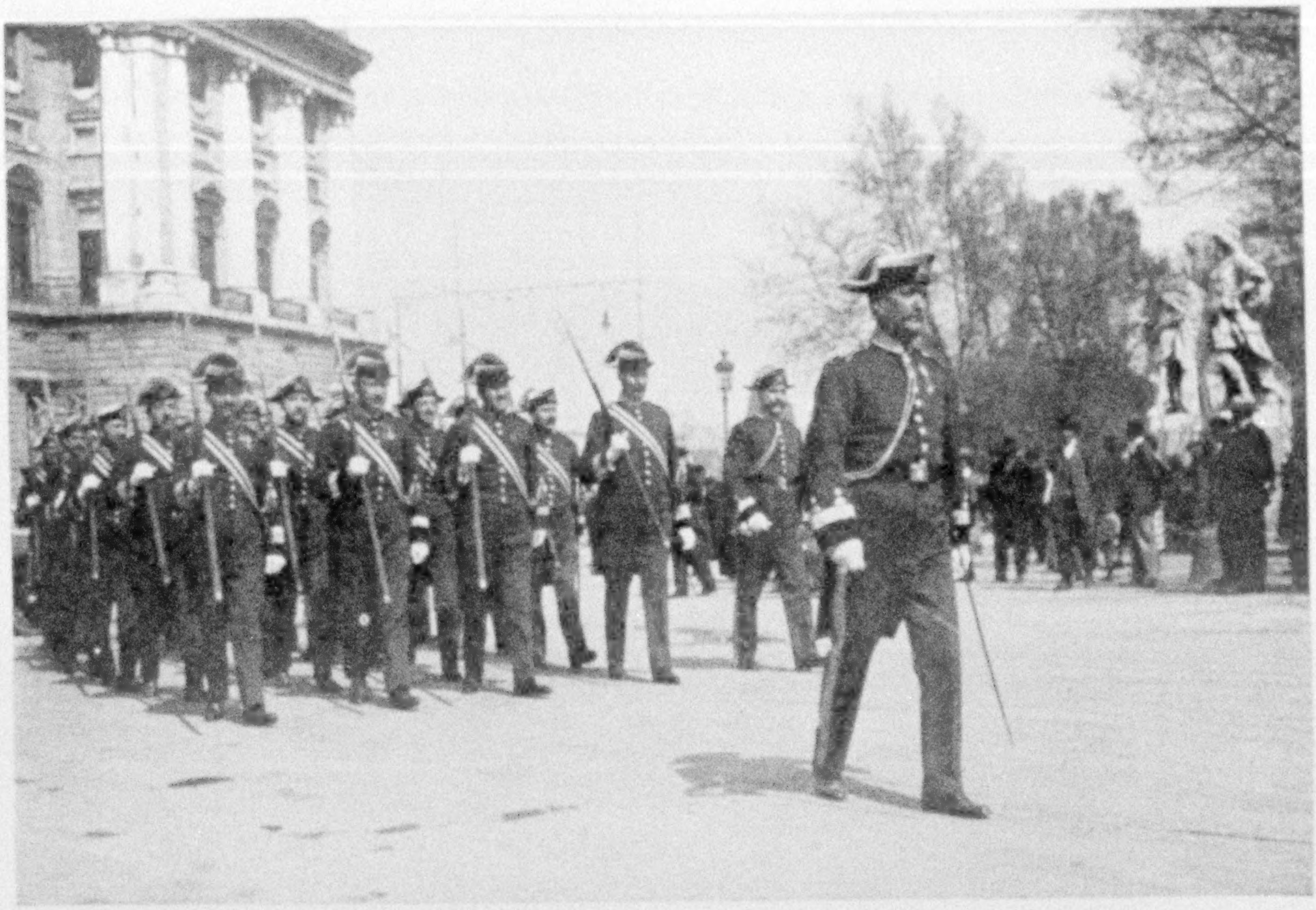
The trees grow in some parts on rocky mountain slopes so steep that one wonders how the farmers ever gather their crop. Sheets are spread on the ground, and the branches tapped with long poles. The nuts are dried in the sun and then cracked, all by hand, around the doorstep of the farmer's tiny house in the evenings.

The whole family, male and female, from grandfather to youngest child, helps in this operation, talking and telling stories the while. So many of them are illiterate that this takes the place of an hour with the evening paper in America. The nuts are placed upon a flat stone and cracked, one at a time, with a short, square, iron bar, and the movement seems to become almost automatic, like that of a woman knitting.

One sees on the docks at Málaga a hundred tons of these incomparable shelled almonds, all selected by hand for size and quality, and neatly packed in wooden boxes, going into one steamer for the American or English market. Three hundred thousand 28-pound boxes of shelled almonds are sometimes shipped from this port in a single season.

Almogía is also famous for its figs, the smallest grown in Spain, but of a richness of flavor that places them in the front rank.

No one in the village is known by his name, but is called by his *apodo,* or nickname: "the Trunk," "the Cross-eye," "the Wife of the Sword," "the Fox."



Photograph from Ernest Peterffy

ONLY MEN MORE THAN SIX FEET IN HEIGHT MAY BELONG TO THE ROYAL BODYGUARD

The finest men of the Spanish military forces are picked for this service. Private soldiers in the Guard rank as sergeants in the regular army and its commander is a general. Light duties, higher pay, and the social prestige attendant on membership in the organization make it a prize much sought after. The Guard is here seen marching from the Royal Palace at Madrid after a night on duty. The members are picturesquely armed with halberds.

The village Crœsus is called "the Golden Cow."

On our first visit we were told to look up a certain man who would help us, and we made inquiries on every side, even of the village priest, with no success whatsoever. We told our informant in Málaga of our failure.

"For whom did you ask?" he inquired.

"The name you gave us."

"*Caramba!* Naturally! You should have asked for "the Cricket."

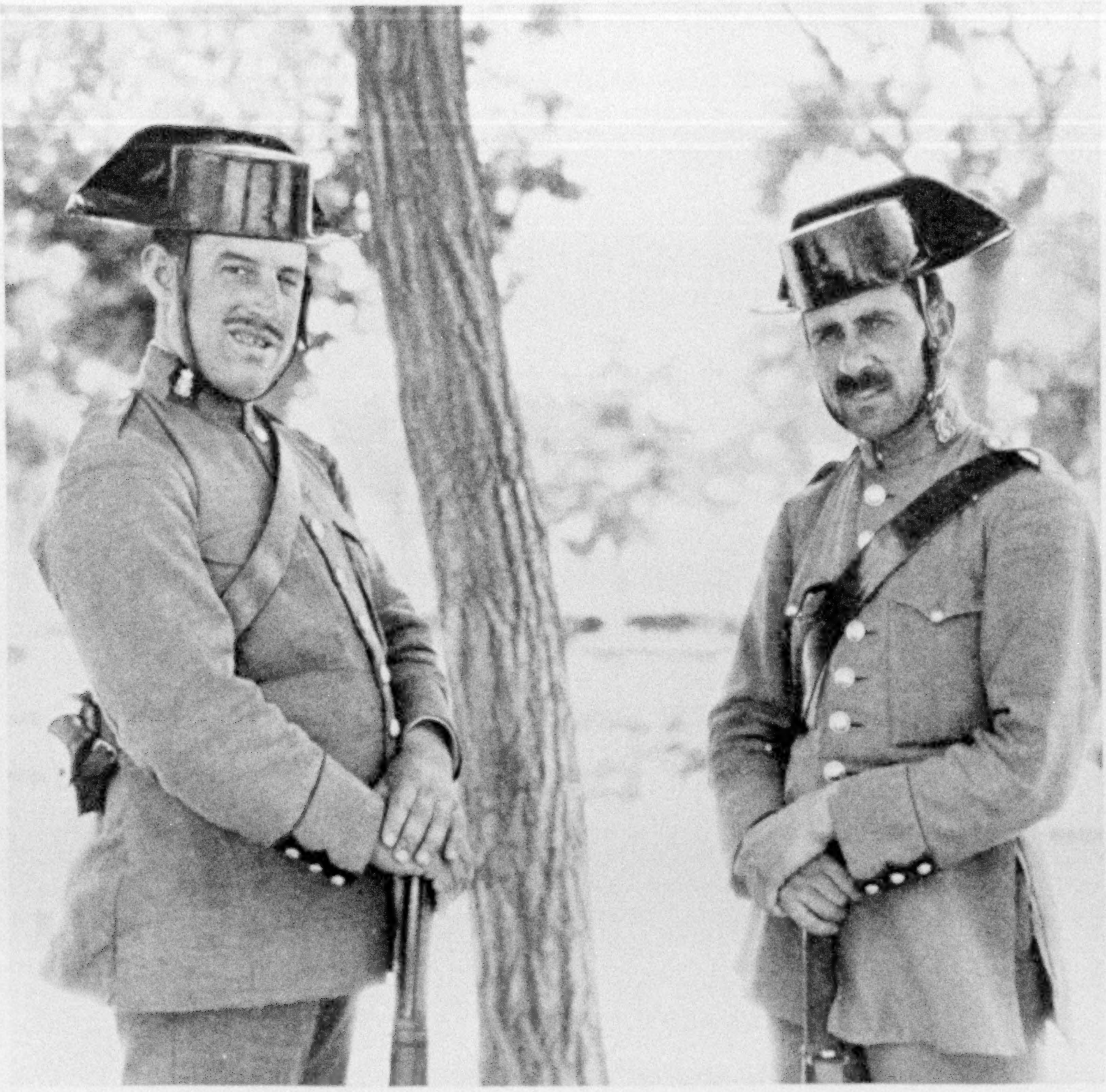
True enough, on our return to the village we asked the first urchin where we could find the Cricket, and he conducted us in three minutes to his house. We were rather amazed to find that we had originally made inquiry of the man's own servant!

OIL IN THE CELLAR IS LIKE GOLD IN THE BANK

Nestling on the seaward slope of the foothills of the Sierra de Mijas is whitewashed Alhaurin de la Torre, on the road to Coín. There is a quaint, cobbled plaza surrounded by one-story houses, back of which is an old, square, moss-covered Moorish mill tower. Through the antique structure still flows the stream which turned the Moor's millstone.

A little farther inland the road climbs upward to a saddle in the mountains. For half an hour it passes through deep-cut, barren rock of dull gray; then the crest is reached and, lo, what a scene! Below us, on gentle slopes, as far as eye can see, grow thousands upon thousands of silver-green olive trees in their straight rows, and in the center of this wonderful valley rise the old church towers and red roofs of Antequera. Its people are mostly tillers of the soil, yet many of them to-day have amassed wealth from their olive trees. The oil is pressed and kept by the bigger producers in cisterns. It will keep for several years, so they are in no hurry to market the product, and simply hold it until they get a price that suits them.

"Oil in the cellar is as good as gold in



Photograph by De Cou from Galloway

MEMBERS OF THE GUARDIA CIVIL TRAVEL IN PAIRS

A large number of stalwart and well-trained men constitute this omnipresent and important organization. They are not policemen, answerable to civil authorities, but take their orders and render their accounts to the military powers. Their duty is to keep the peace and they perform it most efficiently (see, also, illustration, page 379).

the bank," is the way they look at it. That Antequera has known nobility and wealth, even in the olden days, is shown by a few palaces bearing over their doorways the arms of forgotten overlords.

FROM MÁLAGA TO GRANADA AND BEYOND

The main motor road to Granada winds and climbs and in forty minutes takes one from sea level to an altitude of 3,000 feet. The city of Málaga is far, far below, and big steamers approaching the port on the broad, blue Mediterranean seem no larger than pinheads. On clear days Africa's coast is visible. The views on every side are fantastic, almost theatrical, in their beauty.

From the top of this ascent there is a donkey path that leads down into a tiny valley which is really a high, miniature plateau. Here we visited an estate whose owner has planted a million rose bushes and gathers the flowers to manufacture rose water.

The beauty of this extensive mass of delicate pinks and yellows, when the roses are in bloom, is beyond the powers of my poor pen. The owner told us that to build and equip his little factory every brick, plank, engine, boiler, and piece of machinery had to be hauled from Málaga on the backs of donkeys and mules.

A VISIT TO THE "KEYS OF GRANADA"

A run of an hour and a half took us over the mountain range and into the valley beyond, to the town of Loja. It is built on points of rock, at the foot of reddish-gray hills, and is one of the most picturesque of the old towns of Andalusia. The Moors called it Losha, and because of the commanding situation of Loja and Alhama, guarding the plain which spreads out in front of Granada, these two places were known as the "keys of Granada."

Loja was captured from the Moors in 1488 by the Spanish Army, after a siege of thirty days, and English archers, under Lord Rivers, were conspicuous in this engagement.

In the home of one of its prominent inhabitants we were shown an old volume, each leaf of which was of illuminated parchment, all inscribed by hand, which contained an authentic history of the family, together with a complete genealogical tree from the 13th to the 16th century. One of the ladies of the present generation had, after several years' work, compiled a second volume, bringing the history down to date. These Spanish families count in centuries rather than in years.

We took another route on our return and passed through Alhama, held by the Moors until 1482. An earthquake destroyed a large part of the town, with considerable loss of life, in 1884. Many of the ruined buildings were left as they fell and are now moss-grown and forlorn, but on the opposite side of the highway are rows of neat, new, one-story houses, all alike, which were built to replace the old, largely with money collected for the purpose in Spanish-American republics.

Our route carried us through a gap in the mountain range, and then twisted down toward the sea through Vélez-Málaga to Puerto del Mar.

MÁLAGA'S BEST GRAPES CANNOT BE SHIPPED

Around Vélez one gets into the vineyards, and of course they should not be left out of any impressions of southern Spain. As children, we learned that "Málaga grapes are very good grapes," and a visit to Málaga in August or September will confirm the fact that there are none better. The sad part of it is that no one can have the advantage of tasting real, genuine muscatel grapes except the fortunate ones who are on the spot when they are ripe, because they are so delicate that they cannot be exported.

The so-called "Málaga grape," packed in cork sawdust and shavings, that we used to buy at the grocery store around Christmas time, in reality comes from Almeria. An interesting scene at the port of shipment during the packing season, in September and October, is to see steamer after steamer take on a full cargo of grapes and heave anchor for foreign ports. Almeria ships two million of these little barrels in a good season (page 312).

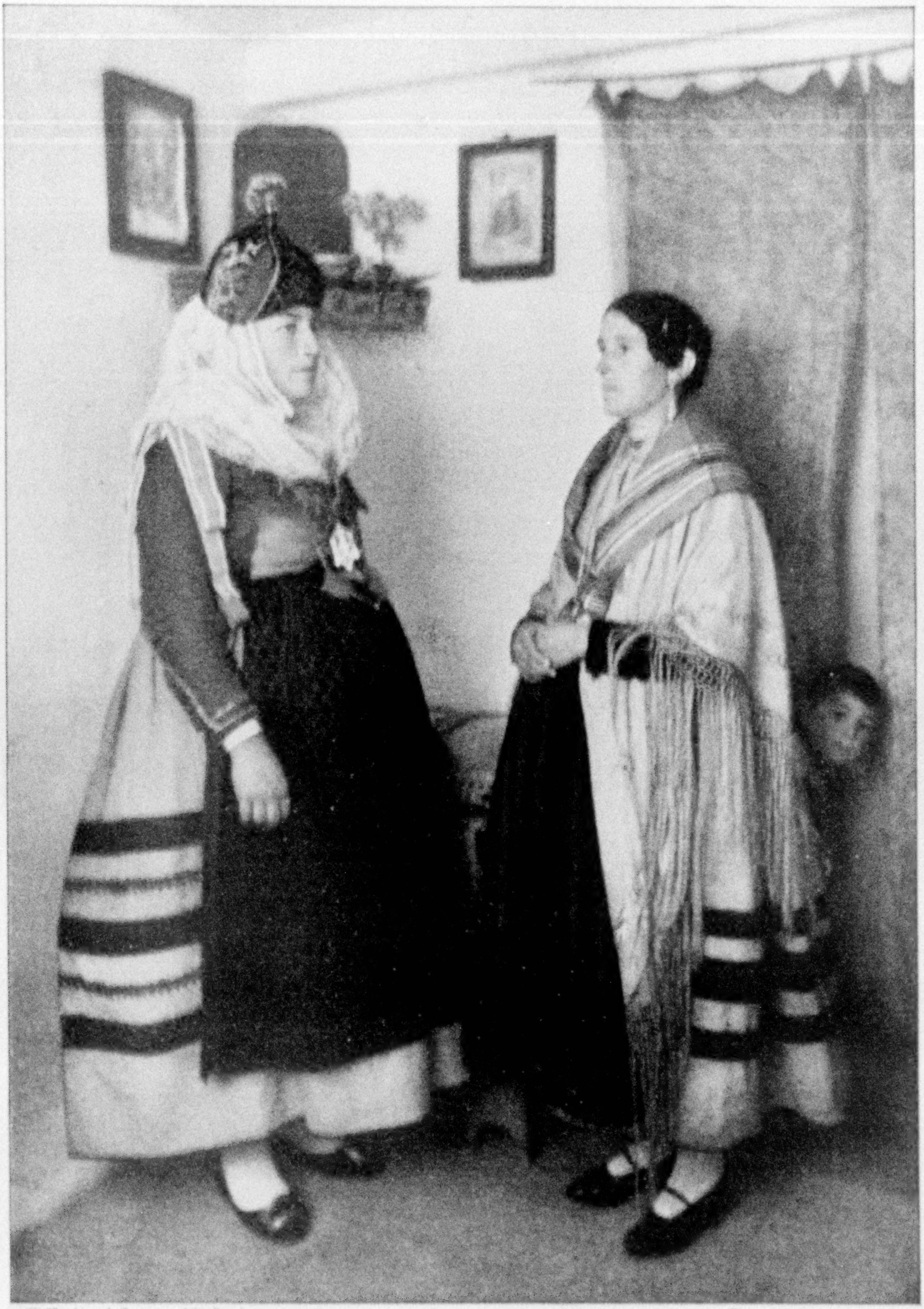
THE VINES OF MÁLAGA'S RAISIN GRAPES GROW ALONG THE GROUND

The finest and largest muscatel grapes grow only in the neighborhood of Málaga, and, if they cannot be shipped as grapes, the farmers do the next best thing and send them to us in the form of raisins.

In the country districts all over the province one sees the drying frames—smooth earthen surfaces, 18 or 20 feet long by 8 feet wide, one end elevated above the other, and all covered with a layer of fine, clean gravel or sand. They are placed, as a rule, to face the afternoon sun.

The vines are not trained up, as in France and Italy, but run along the ground, the copious leaves sheltering the luscious clusters. The grapes are gathered with the greatest care and placed in the drying frames and, after about a week, turned over, so that the under side may have its share of the Andalusian sun. They dry into raisins in about two weeks, and so equable is the climate that it is rarely necessary to cover them at night because of dew or rain.

The very acme of perfection in muscatels is to be found back of Fuengirola, a little town on the sea, some 20 miles west of Málaga. We were invited to one of the largest estates during drying time, saw 216 drying frames full of grapes, and were told that the 200,000 vines produced 300,000 pounds of raisins annually.



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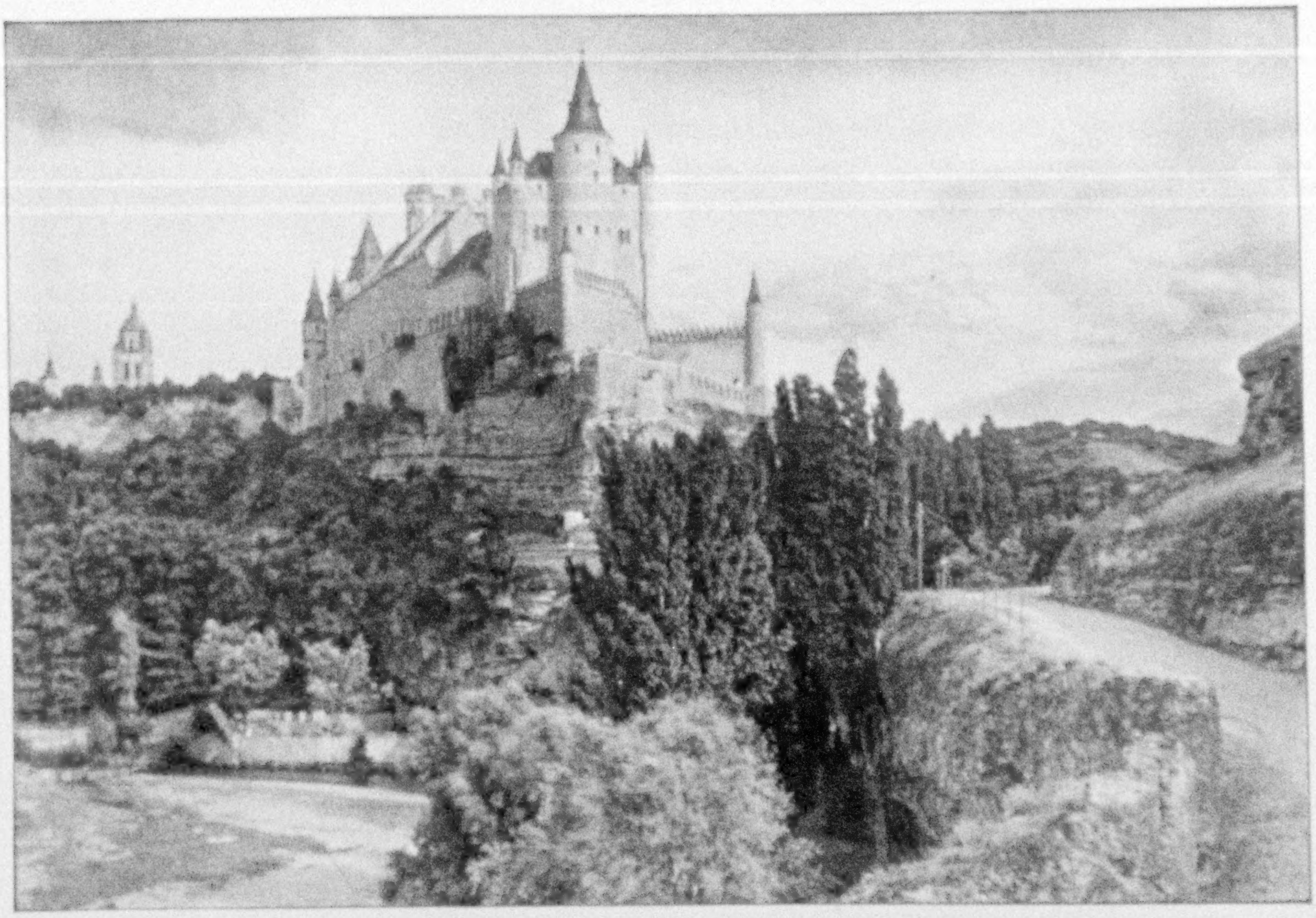
Autochrome by Gervais Courtellemont

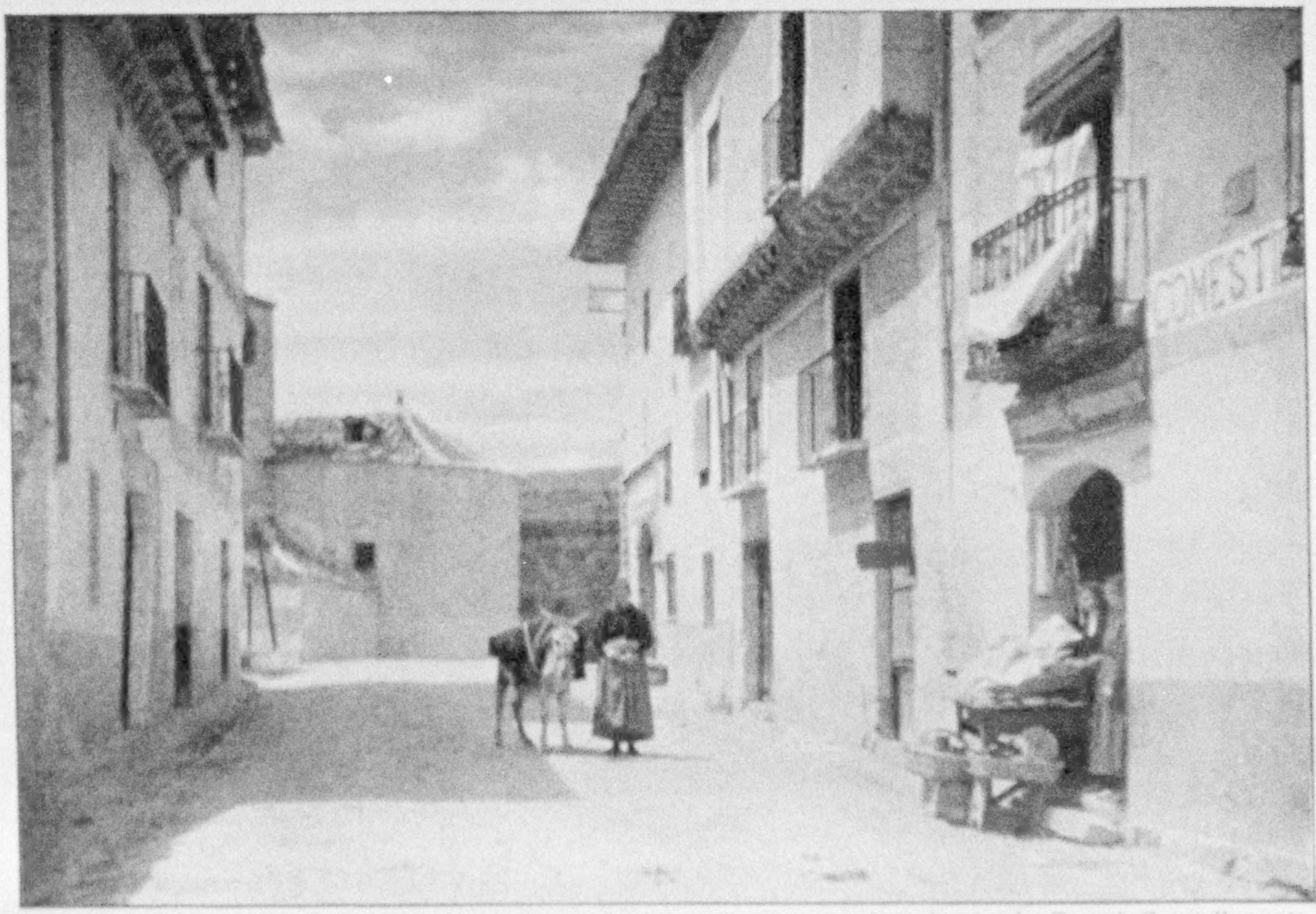
YOUNG SPAIN PEEKS FROM BEHIND PEASANT COSTUMES OF OLD CASTILE

The region about Segovia has been almost untouched by the onrush of commercial activity and its people are a hard-working, kindly race, proud of an illustrious past and slow to change established institutions.



ALCÁZAR CROWNS A POPLAR-BORDERED CLIFF

Alfonso the Wise built this impressive fortress-palace at Segovia. Here it was that the audacious monarch made the observation that he could have suggested improvements in the universe had the Creator consulted him.



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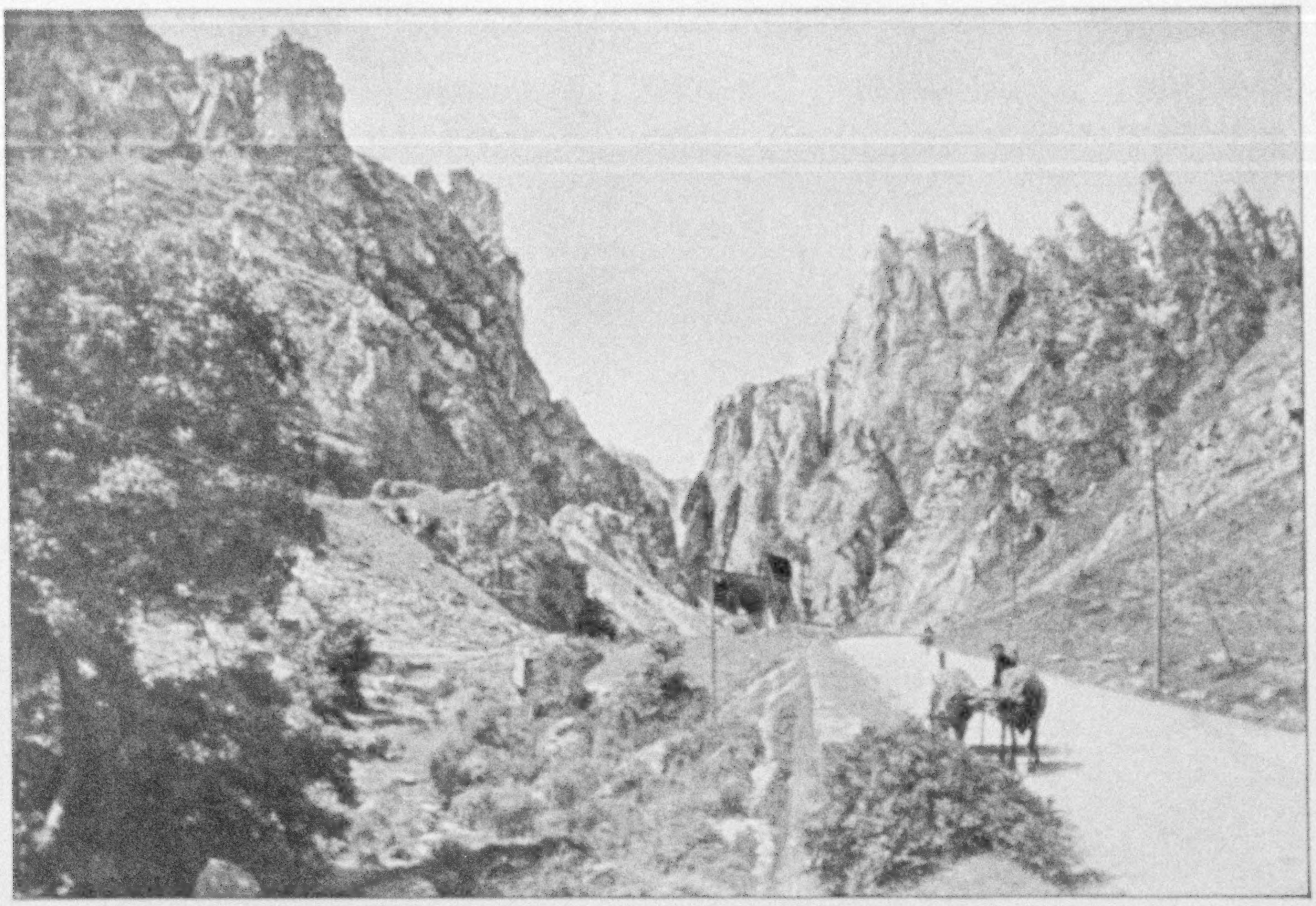
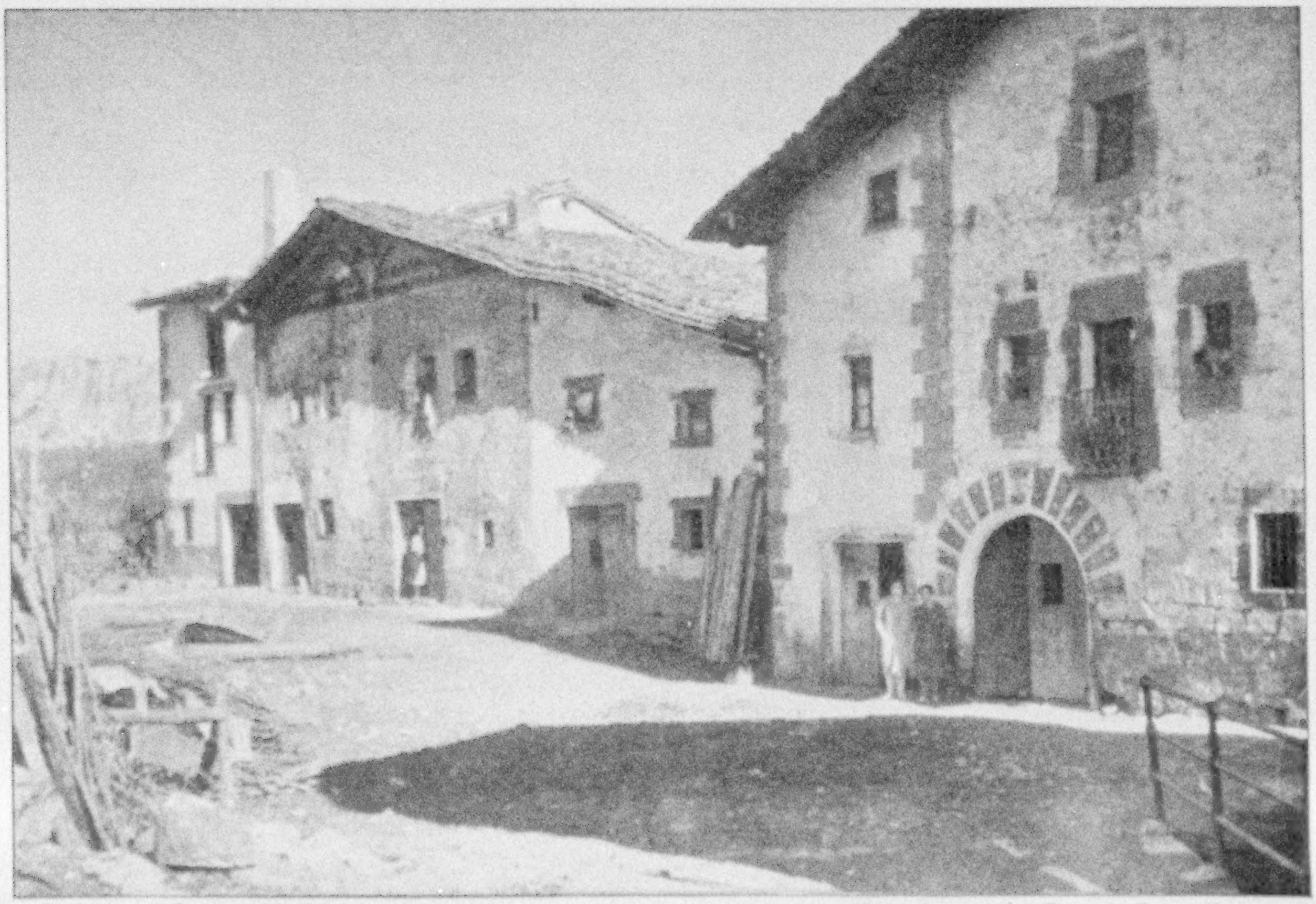
A STREET THAT KNOWS NO TRAFFIC PROBLEMS

Segovia's ancient byways are seldom disturbed by the sound of motor horns, for the "Age of Hurry" has not yet affected the venerable city and donkeys serve for delivery purposes.



FANTASTIC CRAGS FROWN DOWN ON RIVER, ROAD, AND RAILWAY

The Pass of Pancorbo contains some of the finest scenery in northern Spain. It requires no stretch of the imagination to see in such serried peaks as these the outlines of towers and battlements—"Castles in Spain."



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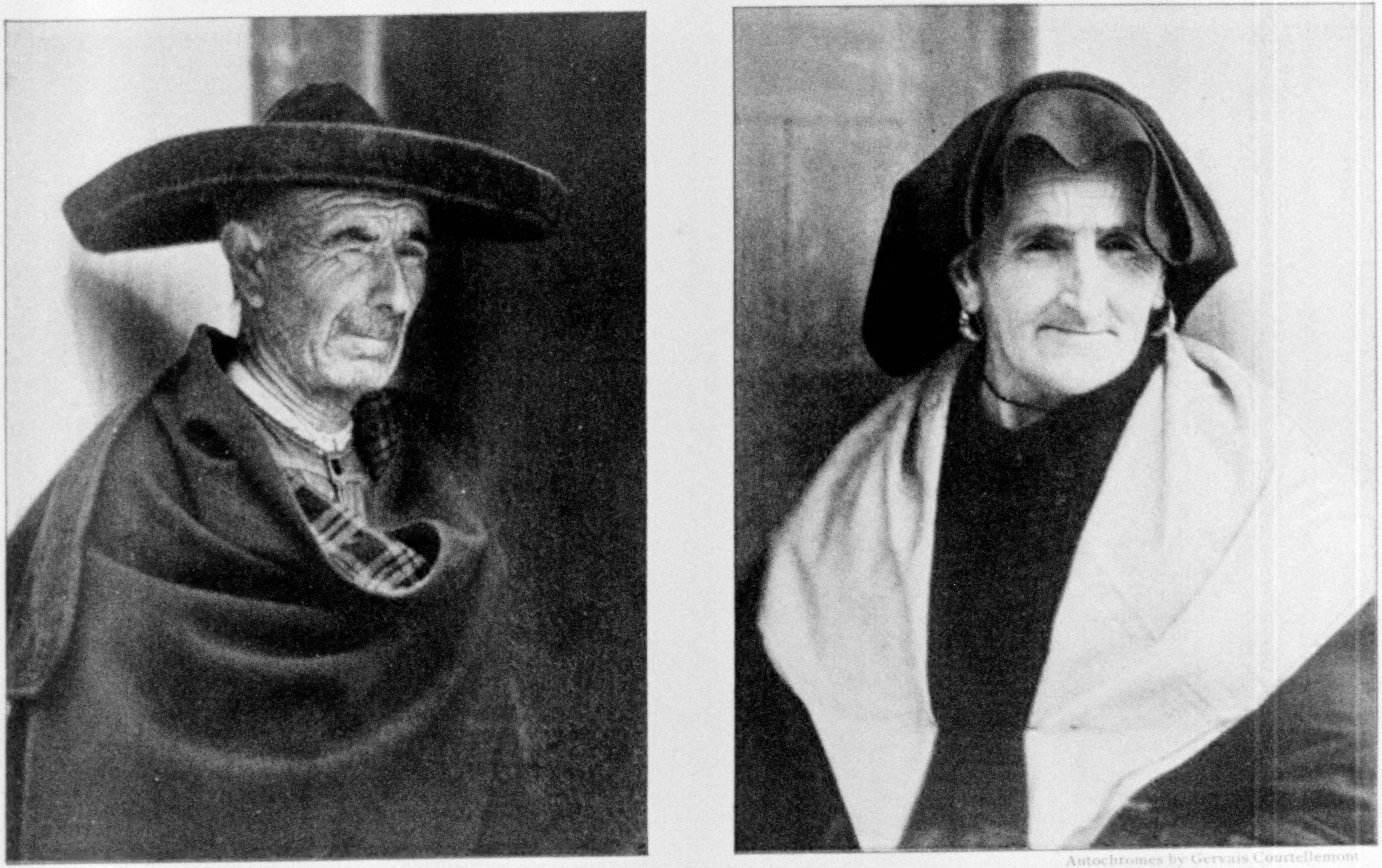
AN INDUSTRIAL AWAKENING IS COMING TO SOME OF SPAIN'S NORTHERN VILLAGES

Factories are now being built in places where the hurry and bustle of business were never known before, and century-old stone houses are echoing to the din of modern machines.



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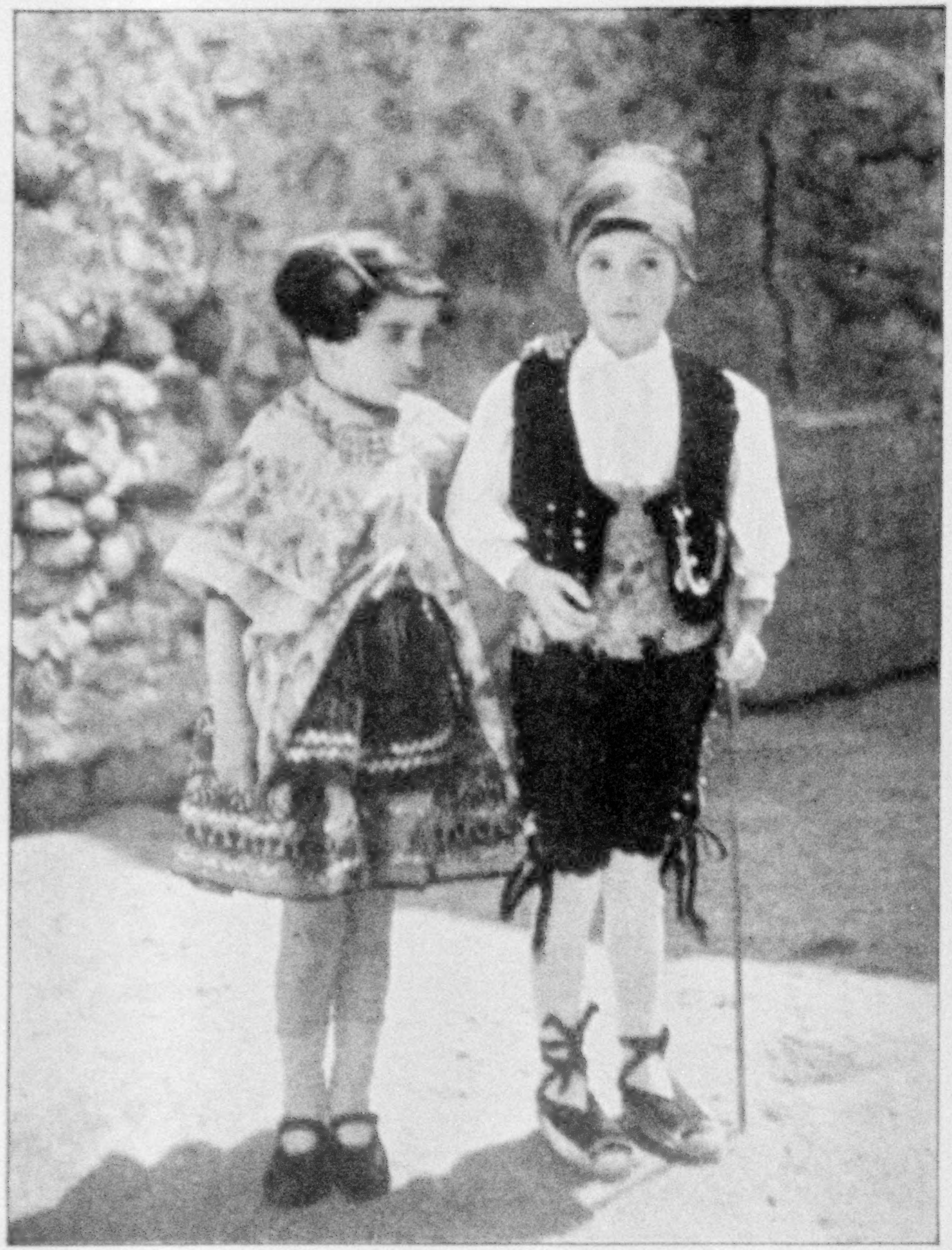
A LIFE OF TOIL HAS NOT BROKEN THEIR PROUD SPIRIT

These Castilians are representatives of a virile race, proud of their ancient lineage, dignified and courteous in bearing. The hat worn by the man serves him also as a sunshade, while his *capa*, or cloak, is similar in style to those used by grandees for evening wear.



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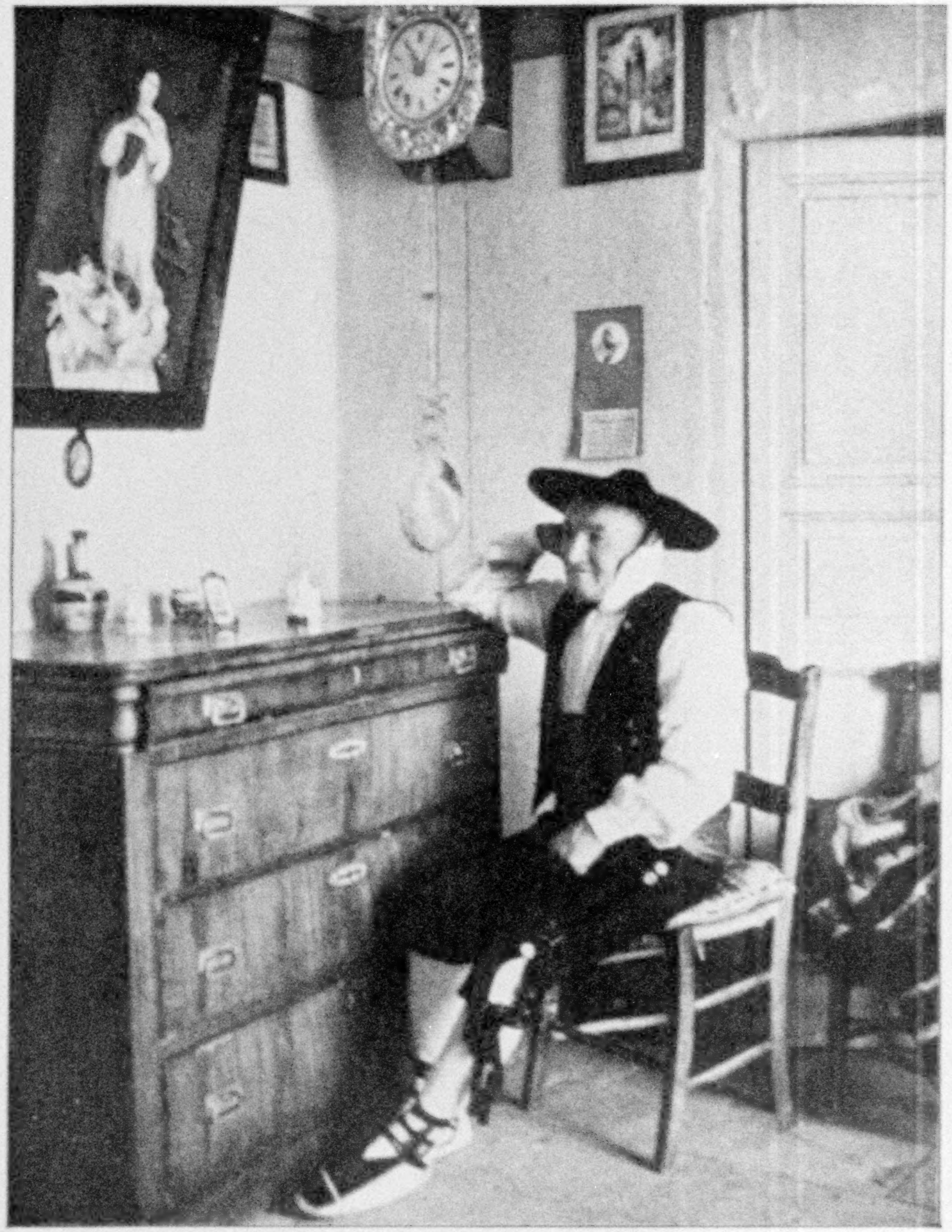
SPANISH CHILDREN ARE INHERENTLY COURTEOUS

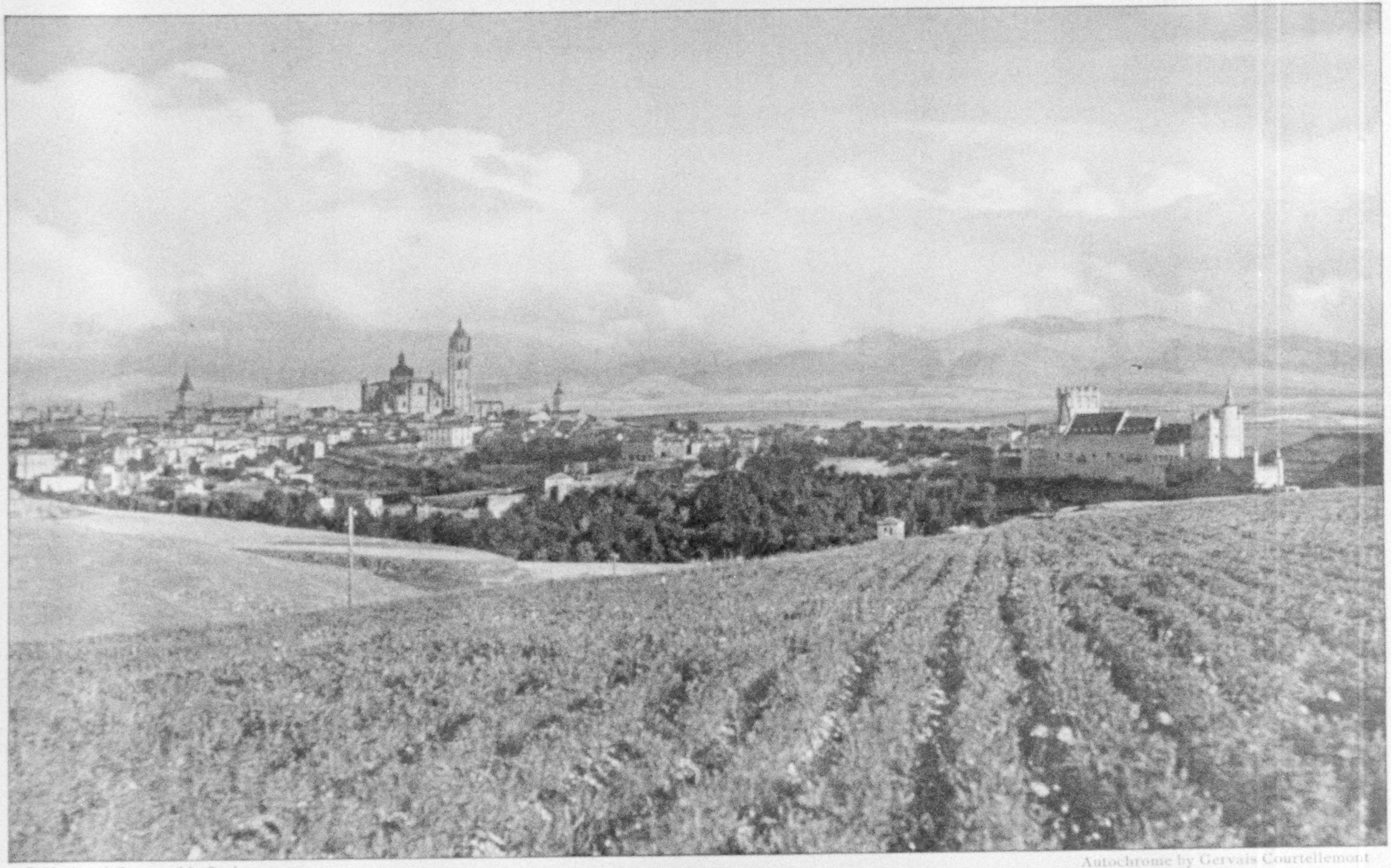
From the time he is able to talk the young Spaniard is a model of politeness. When asked his name a small Castilian replied, "Juan, para servir á Dios y usted" (John, to serve God and you).



Autochromes by Gervais Courtellemont

A SEGOVIAN WINE MERCHANT IN CASTILIAN COSTUME

In recent years the Spanish production of wine has averaged in the neighborhood of half a billion gallons, extracted from the grapes grown on nearly three and a half million acres.



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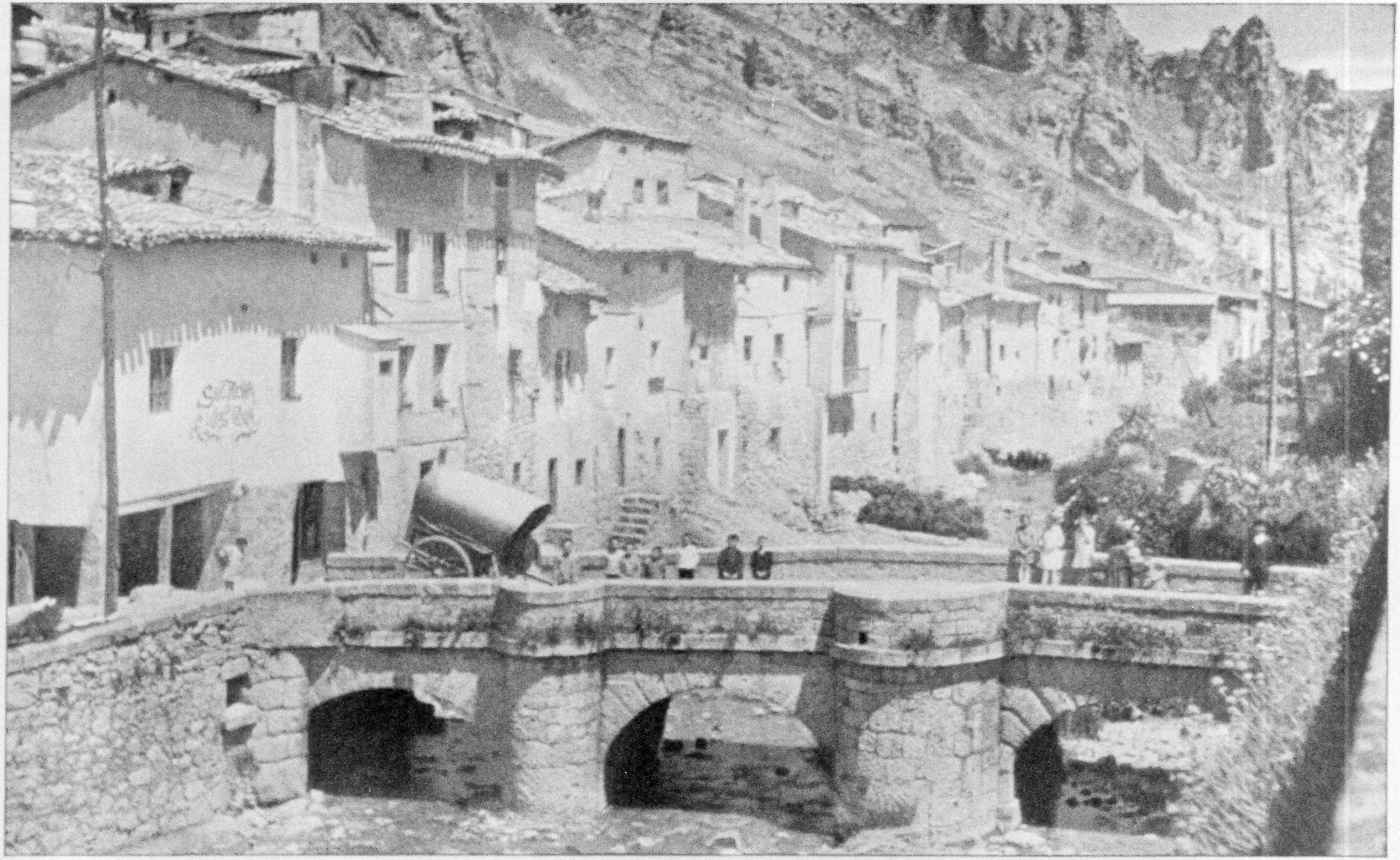
Autochrome by Gervais Courtellemont

THE QUEEN CITY OF CASTILE STILL LIVES UNDER THE MAGIC SPELL OF AGES PAST

From whatever angle viewed, Segovia seems to assume some graceful pose and frame itself into a picture. The city was founded by the Romans as a pleasure resort, but in the Middle Ages it became a great religious center and the seat of the Castilian Court. The old walls and towers with which Alfonso VI surrounded the city are still standing, although somewhat dilapidated now.



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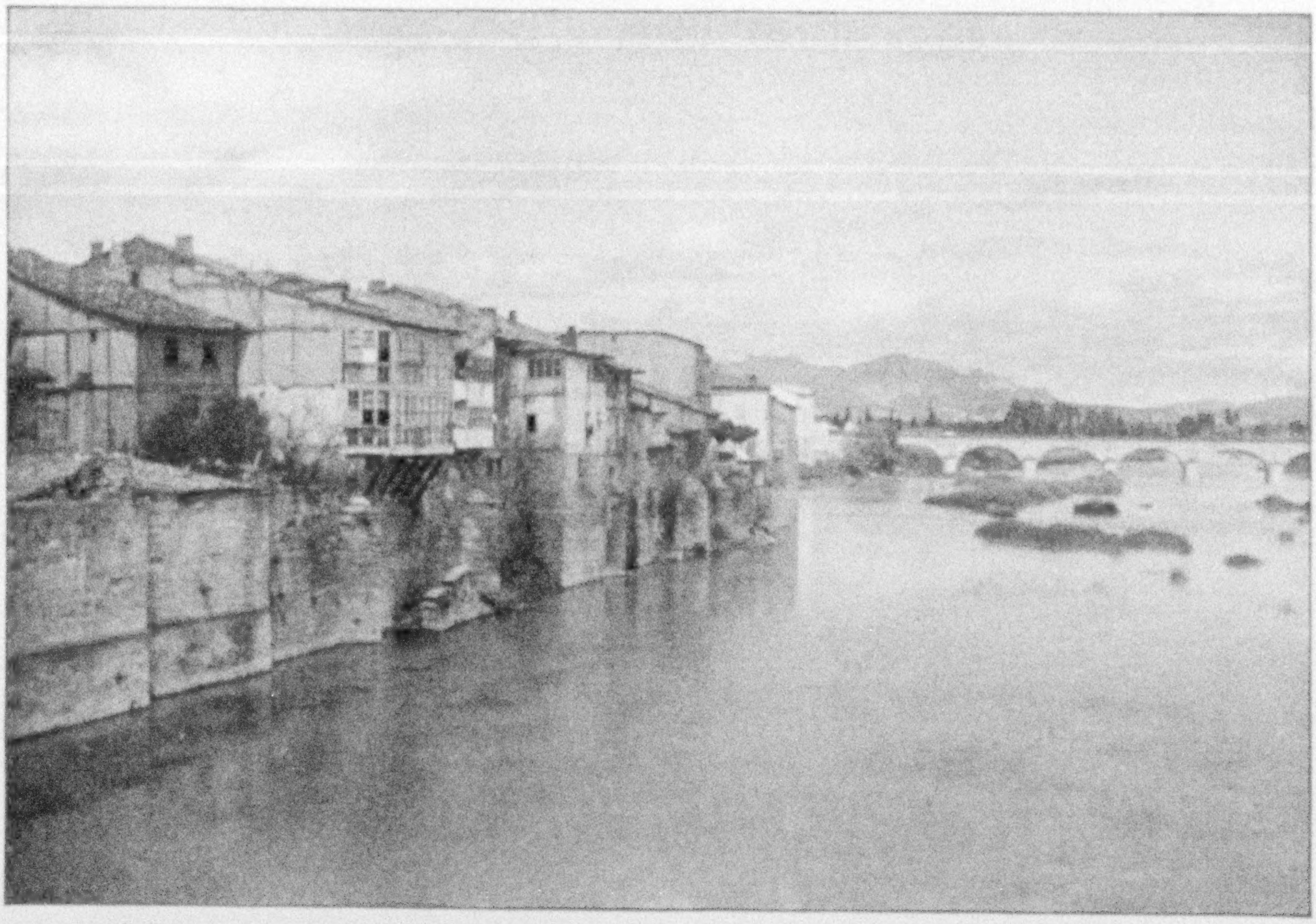
PANCORBO CLINGS TO A PRECARIOUS FOOTHOLD IN THE ROCKY GORGE OF THE ORONCILLO

Wretched poverty is the lot of many of the people in the small out-of-the-way villages, but they are cheerful, and, despite the scantiness of their belongings, are willing to extend such hospitality as they can. The building at the left, according to the writing on the wall, is a tailor shop (see also Color Plate XI, upper).



MUDDY EBRO'S TUMBLING TORRENT TAKES ON A GENTLE GUISE AT MIRANDA

Rising in the mountains of Santander and flowing through Old Castile, Navarre, Aragón, and Catalonia before reaching the Mediterranean, this river is one of the most important in the Iberian Peninsula.

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Autochromes by Gervais Courtellemont

THE ARCHES OF SEGOVIA'S AQUEDUCT STRIDE LIKE COLOSSI ACROSS THE VALLEY

This magnificent monument to the power and genius of ancient Rome still serves to supply the city with water from the distant sierras. It is known to the peasantry as the "Devil's Bridge," from a legend of the Middle Ages which attributed its construction to the magic art of "el Diablo."

We went to Fuengirola by automobile, transferred to a cart with high seats arranged along the side and drawn by two big mules. This carried us through several miles of vineyard; but soon the way became more difficult and we all changed to donkey backs. Finally even this method of transport failed and we walked the last mile.

WHERE MUSCATELS REACH PERFECTION

Dozens and dozens of laborers were cutting the big green bunches, some of which weighed three pounds and more, placing them in flat baskets, and carrying them on their heads to the drying frames. One was tempted to pick and eat just a few, but we were warned by the foreman:

"Don't do it, or you will spend the night with an ache in the stomach you will not soon forget. They are warm now, and you musn't eat them until three hours after they are picked and put in the house."

When we came to the dwelling of the owner, this fine old gentleman, 89 years of age, said:

"You have seen my grapes, and now you must taste them. I know grapes of every country, and I may say without bragging that you will never taste a grape that will equal these."

It was a fact that their superiority was perfectly evident. We agreed unanimously—and one of our party was a grape grower from California!

In September and October, on all the country roads are seen countless trains of donkeys and mules, each carrier bearing four or six 22-pound boxes of raisins to the port of shipment. Half the cargo is strapped on each side of the animal, and often the picturesque peasant is perched on the donkey's back, between the boxes. The return cargo is composed of "empties," to be filled with the delicious fruit and again sent to market. About a million and a half of these boxes of muscatel raisins are exported each year.

PACKING RAISINS FOR AMERICA

The shipping houses pack four layers in a box, each layer being enveloped in paper with lacy edges and containing highly colored lithographs of Spanish señoritas in shawls and mantillas. The effect is a good deal like an old-fashioned valentine. Another packing is in pretty one-pound cardboard boxes with cellophane or transparent windows through which the fruit may be seen, all tied with gay ribbons.

As soon as the raisins have been dried and packed in the country, all the laborers in the vineyards come to town to work for two months in the packing houses. They sit in long rows, boxes of raisins in front of them, doing the selecting and cleaning of the clusters. They take off their coats, but all insist upon wearing during their work the broad-brimmed, high-crowned peasant hats. Thus they make rather a droll picture and are called by the Spaniards *los sabios* (the wise men).

There are other rows of tables at which stand girls and women, placing the layers of raisins within their "valentines" and tying the bows of pretty ribbons.

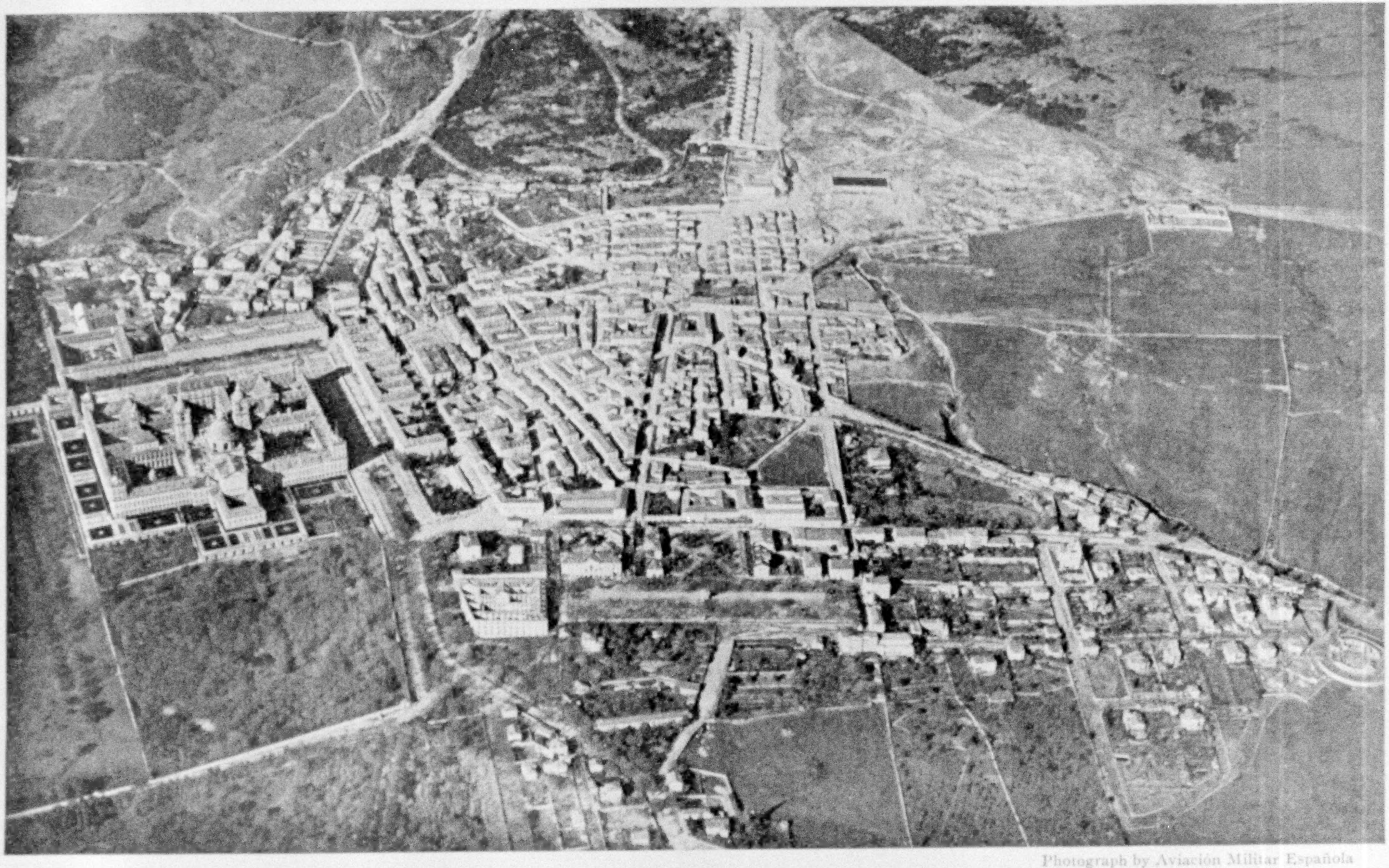
The large raisin stores are used only three months in the year, and after the season the Artist obtained a top floor of one of them for a studio. It had whitewashed walls, windows overlooking the dull-red roofs and distant mountains in the background, and a large skylight through which poured all winter long the warm Andalusian sunshine.

ALL RAILROADS LEAD TO MADRID

Late spring was upon us almost before we were aware of the flight of time in this peaceful land, and it behooved us to continue our wanderings. Alicante, which was the Lucentum of the Romans and which the Moors called Lecant or Alkant, beckoned. But one hesitated a bit at the thought of the railway journey in the heat.

Madrid is the geographic center of Spain, and in the same manner that all the main avenues of Washington radiate from the Capitol Building, so in Spain do all the principal railways radiate from Madrid to the chief cities on the coast. It is always a night's ride in the sleeper or a hot day's journey on the *rápido*.

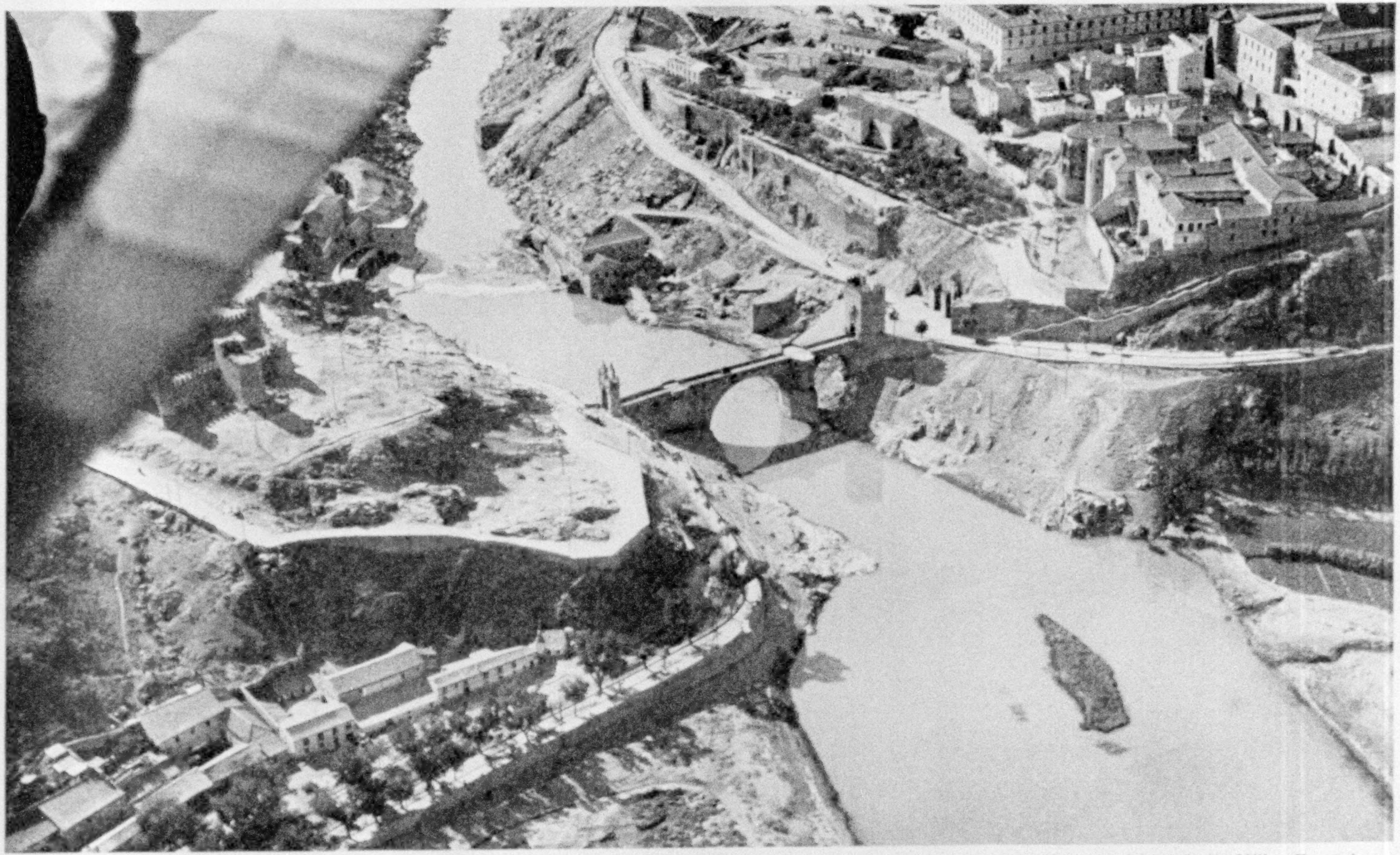
More often than not, trains make no effort to connect with any other train in Madrid. Thus, in going from Cádiz or Seville to San Sebastián or Barcelona, one leaves at night, arrives in Madrid in the morning, and has to spend the day in the city waiting for another night train to continue the journey.



Photograph by Aviación Militar Española

AN AËRIAL VIEW OF PHILIP II'S GREAT MONUMENT, THE ESCORIAL

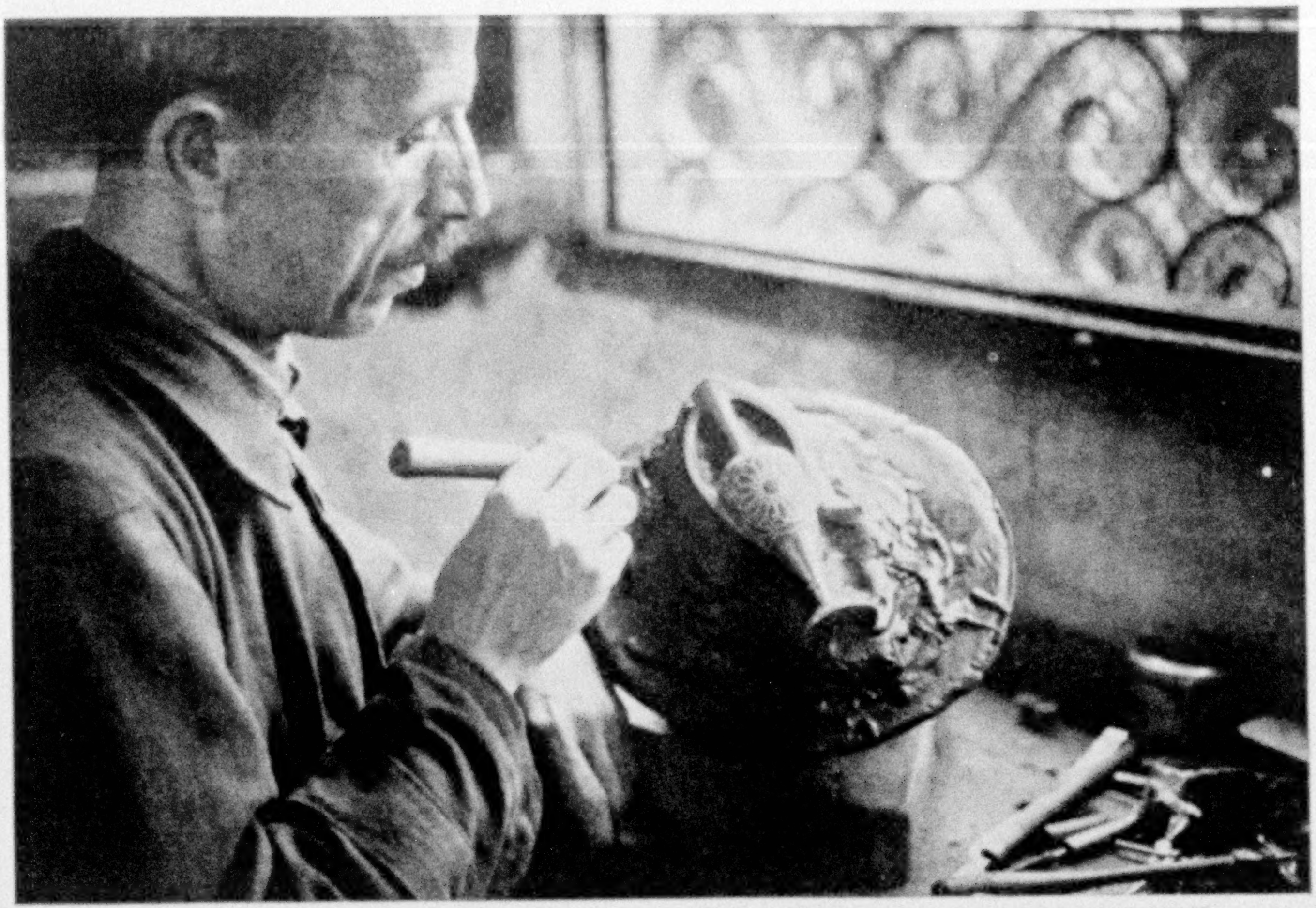
The vast granite pile which rises at the left was begun by the Gloomy Monarch in 1563 and was 21 years in the building. It contains his earthly remains, those of his father, and of most of the Spanish kings since. The ground plan covers about 4,000,000 square feet and includes a church, monastery, and palace. The group of buildings just beyond the Escorial is the comparatively new Maria Cristina University. The town which adjoins the grim monastery-palace has become a popular summer resort, owing to its proximity to Madrid (31 miles distant) and to its high elevation.



Photograph by Aviación Militar Española

THE GREAT ARCH OF ALCÁNTARA SPANS THE TAGUS AT TOLEDO

This lofty, imposing bridge affords chief access to the city of Toledo, which was at one time the capital of Castile, with a population in excess of 200,000. It was originally a Moorish structure, although the upper parts are probably the work of later Christian kings. Toledo's most distinctive industry is the manufacture of swords. Toledo blades have been world-famous for twenty centuries (see, also, page 352).



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TOLEDO HAS LONG BEEN FAMOUS FOR ARTISTIC METAL WORK

The art of inlaying steel objects with gold and silver was brought to Toledo by the Moors and outlasted its originators, for it still flourishes there. This work is widely exported.

Trains from almost every important city to another point on the opposite side of the country generally arrive in Madrid a few minutes too late to make the connection.

It is not so much that the trains are late, but the very time-tables themselves seem to thwart any attempt to get through Madrid without spending a day or night there. Spaniards from the provinces all declare that this is purposely arranged through the influence of the hotel men and restaurant keepers of Madrid!

Of course, the capital is the focus of all Spanish eyes, anyway, and very few provincials could go through Madrid and resist the temptation to stop for at least a few hours; so perhaps little harm is done by the lack of through trains.

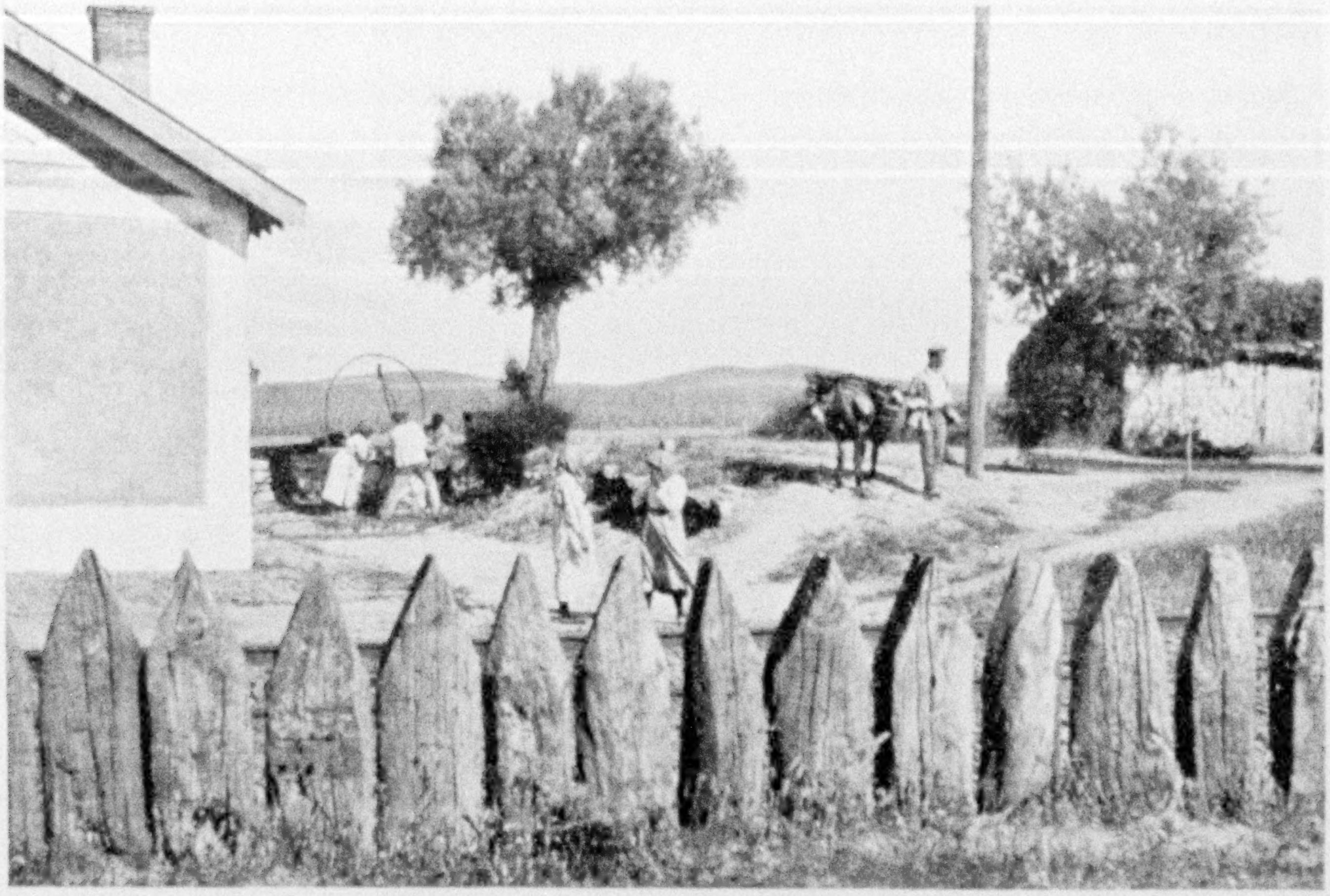
A COASTAL STEAMER LURES AUTHOR AND ARTIST

Many newspapers of the coastal cities still report the names of the better-known citizens who travel by train each day. They tell of the ones who have left for Seville, Bilbao, etc., but the more fortunate travelers who have gone to Madrid are generally said to have left for *la Corte* (the Court).

Now, Alicante was only some 300 miles up the coast; but to get there comfortably by train there were nearly 300 miles to Madrid and almost as many back again, on the other side of the triangle. So it was decided to venture aboard a Spanish coastal steamer leaving Málaga every Thursday evening and arriving at Alicante Tuesday night.

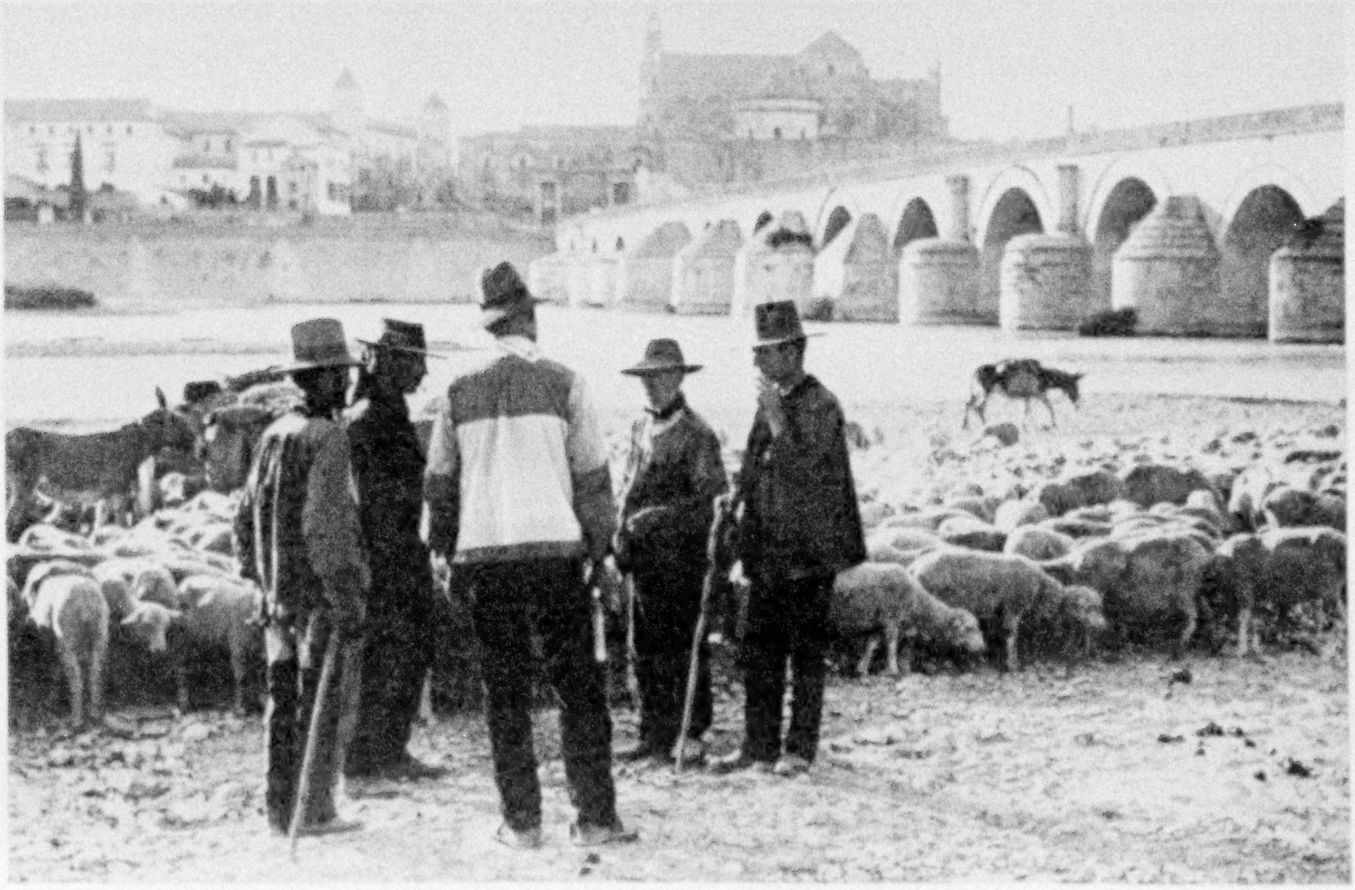
Steamers of this coastal service are a familiar sight in every Spanish port. They bear a crossed A and V on the funnel, meaning Vasco - Andaluza. Their eastward journey starts away up at San Sebastián or Bilbao, on the Bay of Biscay, and touches at Asturian and Galician ports, skips by Portugal, ascends the Guadalquivir River to Seville, and then stops at all the larger ports along the Mediterranean coast to Barcelona, loading and unloading cargo and a few passengers at each port (see map, page 314).

This line has prospered, and now larger freight steamers, with the A V on their



Photograph by Dr. Gilbert Grosvenor

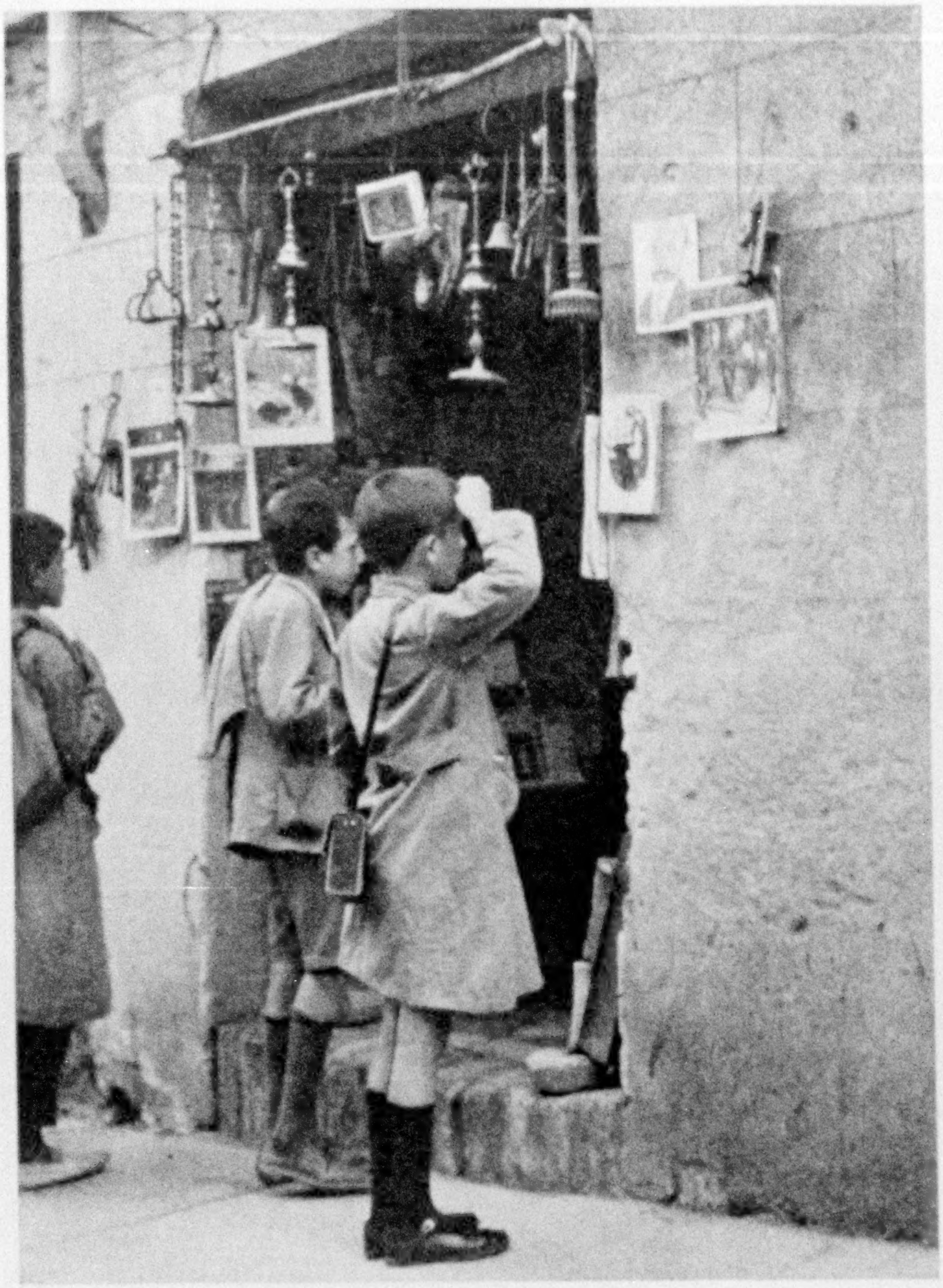
OLD TIES PROVIDE MATERIAL FOR A FENCE ALONG THE RAILWAY LINE BETWEEN CORDOVA AND TOLEDO: A FARM WELL IN THE BACKGROUND



Photograph by Bartolomé Ros

SHEPHERDS ON THE BANKS OF THE GUADALQUIVIR AT CORDOVA

The *Puente de la Vela*, or "Bridge of the Watch," at the right, derives its name from the fact that the old Moorish watch always was stationed there. The seeming disparity between the strength of the bridge and the volume of the river is more apparent than real, for when spring floods come the peaceful-looking stream becomes a swirling, devouring torrent, and water sometimes passes over the arches.



Photograph by Angel Rubio

SCHOOLBOYS GAZE ON THE WONDERS OF A TOLEDO CURIO SHOP

funnel, ply regularly from Spain to New York, Philadelphia, and Buenos Aires.

Such a trip along the Spanish coast may be a little hard on women passengers, but for a man who likes the sea a more delightful three weeks can hardly be imagined than the complete itinerary, Bilbao–Barcelona, or *vice versa*.

The steamers are known in Spain as *los Cabos*, because they are all named for capes. Thus it happened that we embarked at Málaga on the good ship *Cabo Cervera*, found our neat little cabin aft, and went up on the awning-covered afterdeck to see the last small coils of lead pipe and sacks of *garbanzos* (chick-peas) swing aboard.

With a long and hearty blast from our whistle, we slid smoothly away from the wharf and out onto the placid Mediterranean. It was just at sunset, all brilliant and gold, water of deep crimson purple, and the receding land a dark ultramarine.

DINING ON DECK WITH THE BASQUE CAPTAIN

"Lorito, Lorito!" called the captain's parrot, swinging in a big cage from the awning rope. We were the only passengers. A white-coated steward set up a folding table and laid covers for five. The captain, mate, and chief engineer made their way aft, walking along planks placed over empty barrels, which completely filled the main deck.

"We shall dine on deck and hope you will join us," the captain said. And a delicious omelet, chicken with rice, luscious fresh fruit, red Rioja wine, and black coffee followed.

The officers were all Basques—kind, hospitable, and splendid seamen. The captain, with huge black whiskers, told of his twenty years in *Los Cabos*, showed us a picture of his wife in Bilbao and his boy in a Madrid university learning to be a lawyer.

The moon came up over the eastern sea, the chief engineer went below, and his place was taken by his second, a fine-looking young fellow from Seville, in a singlet and oily blue trousers. He sat on the skylight, strumming his guitar with grimy fingers and humming plaintive songs.

SPANISH PEASANTS BOUND FOR ALGERIA

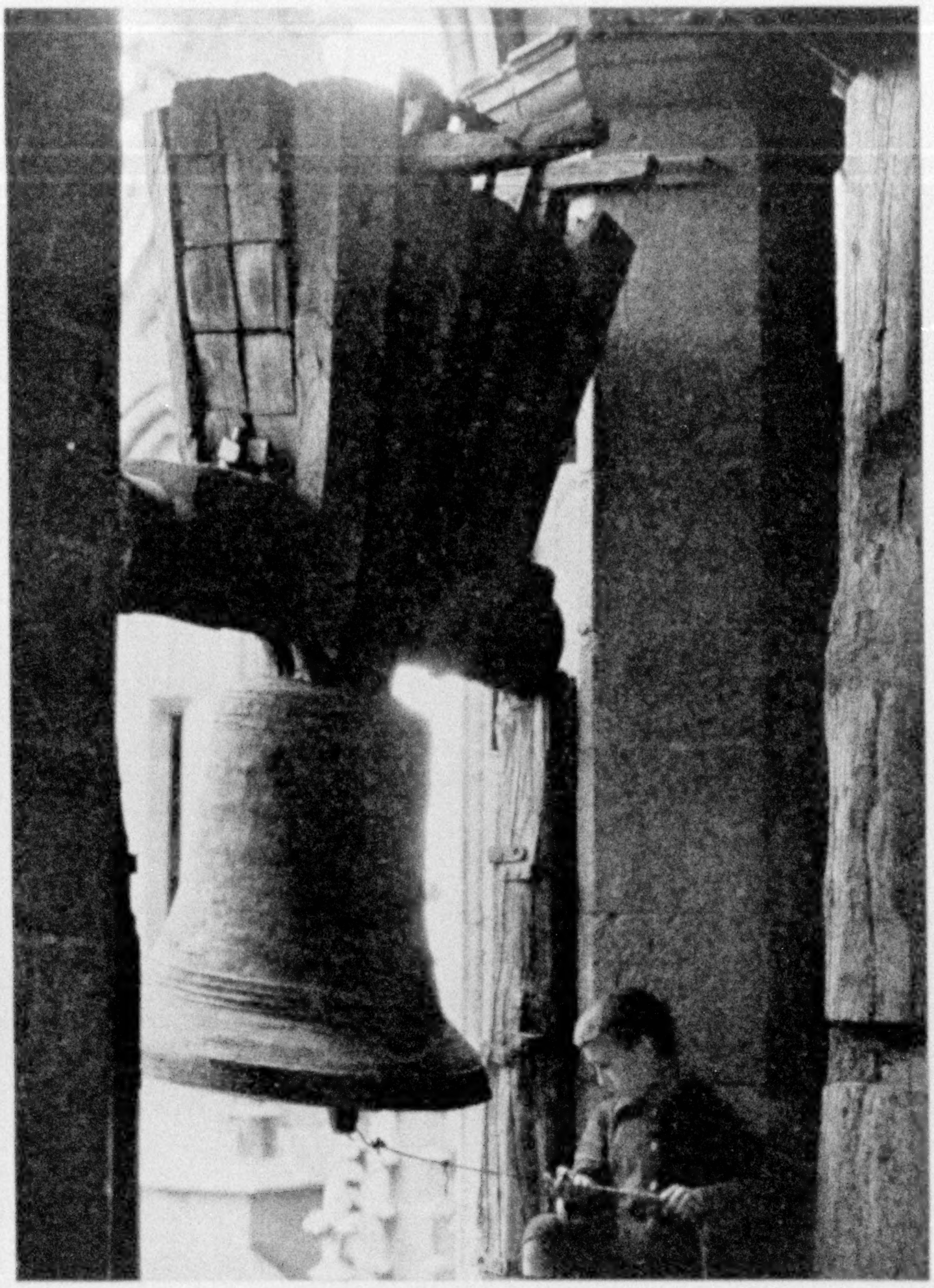
On the docks at Alicante we noticed a large number of peasants, all dressed in long black tunics coming nearly to the knees, a typical costume in this region. They were bound for Oran, in Algeria, where thousands go every year to harvest the rapidly increasing crops of grain.

They were all talking loudly and excitedly, but no longer in the soft Andalusian accent. Already the harder and more guttural slurs of the Valencian and Catalán dialects were in evidence. They were gesticulating and pushing wildly, arms loaded with bundles, to get aboard their little steamer. The turmoil was deafening.

Moored just in front of this vessel was a pretty 900-ton schooner, fresh in white paint with light-blue trimmings. Here the scene was so calm and quiet that the contrast was startling. Her stern showed this neat little craft to hail from St. Johns, Newfoundland.

On the poop deck, under an awning, reclined the skipper in a large extended deck chair. He was a huge, red-faced sailor from the Banks, dressed in thin whites, with a sun helmet, and obviously comfortable in his job of checking off the two or three sailors who were swinging up slabs of salt codfish out of the hold and dumping them on the wharf. Salt cod is one of the important items of food all over Spain; Newfoundland and Norway vie for this trade.

In Alicante the main street, Paseo de los Mártires, is along the water front, with well-built modern apartment houses, hotels, and open-air cafés on one side facing the sea. The town is dominated by a high rocky hill, much like the Gibralfaro in Málaga (see text, page 317), upon the top of which is the old Castillo de Santa Bárbara.



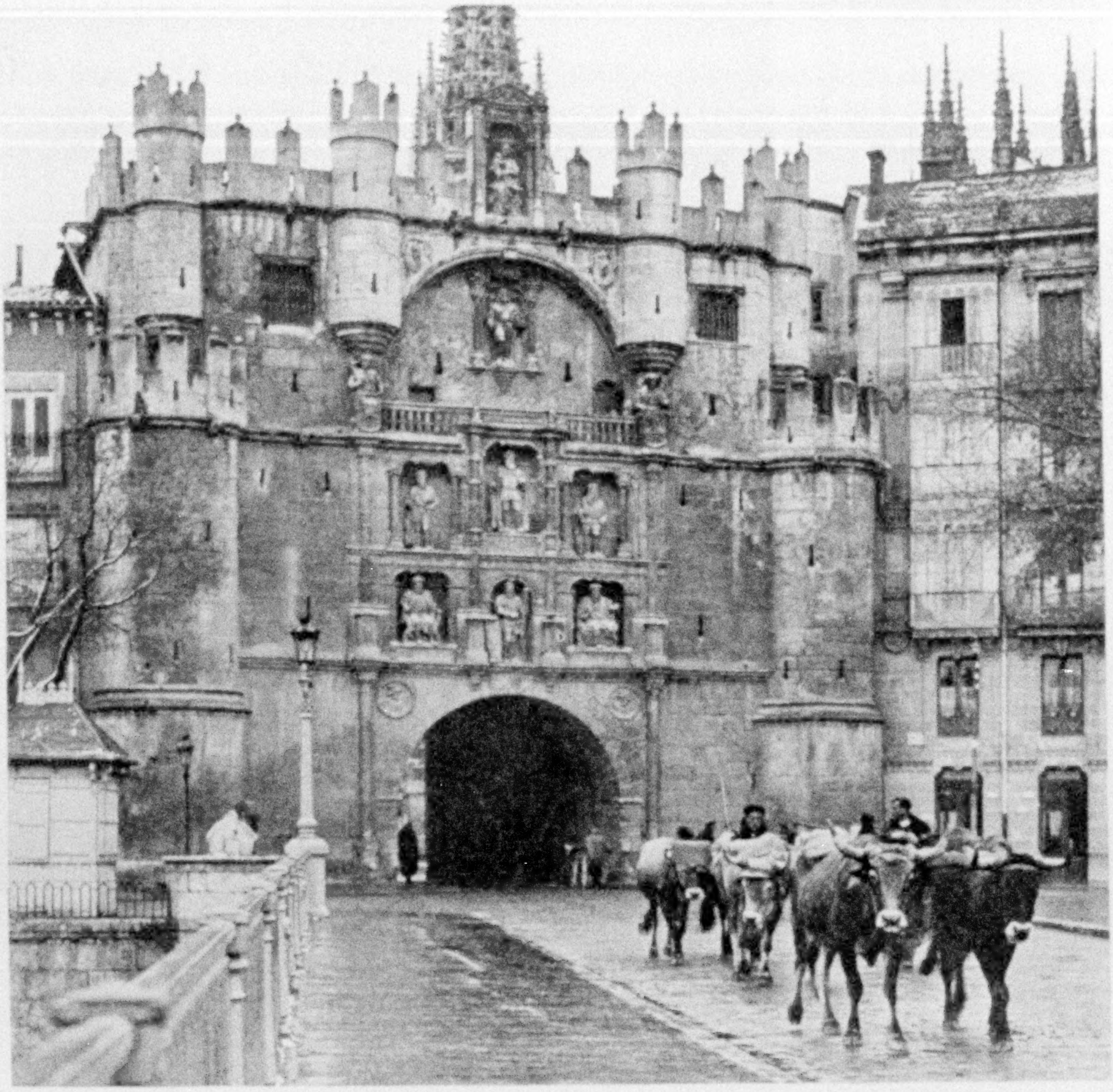
Photograph by Ángel Rubio

THE BELFRY OF LEÓN'S CATHEDRAL

A VISIT TO THE FAMOUS PALM GROVES OF ELCHE

The motor road toward the south was dusty and the land seemed more rocky and parched than in Andalusia, but there were almonds and fruit trees in abundance, bearing proof of its fertility. We were soon climbing and could look back over the whitewashed, flat-roofed houses of the city, with palm trees sticking up here and there to give a splash of color.

It was half an hour's ride to Elche, which is on a flat plain, and long before one enters the town its famous date palms are visible (see Color Plate XXIV).



Photograph by Herbert Felton

A 16TH-CENTURY GATEWAY TO THE CAPITAL OF OLD CASTILE

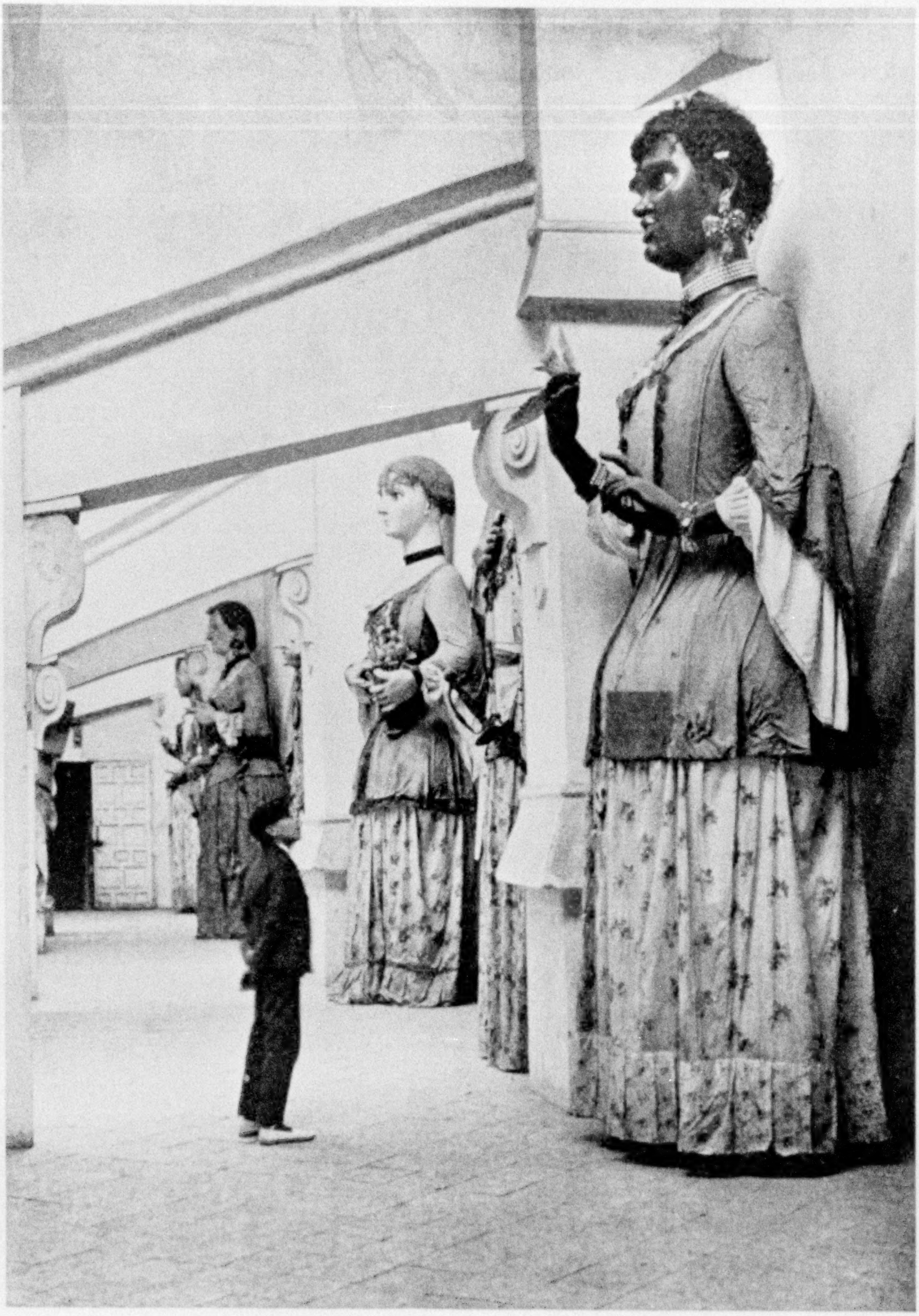
During the reign of Charles V, Burgos joined the Comuneros, who opposed the centralization of authority in United Spain. Later its citizens, pardoned by the king, built this ornate triumphal gate in his honor. It is flanked with towers and adorned with statuettes, among them being Charles V and the Cid, Spain's national hero. Beyond it rise the spires of the Cathedral.

The road goes through an opening in the old surrounding wall, and one is immediately transported to another world, more oriental, Egyptian, or Moorish than any other locality in Europe. The inhabitants' features are distinctly Moorish, and everywhere one sees the somber peasant men in their black tunics. The streets are narrow, the houses of one story and almost windowless.

One sees queer tiled domes, and then the car glides through the quiet grove, where more than 100,000 tall date palms extend right up to the walls of the town. They are planted close together, and their slender trunks tower 70 to 80 feet in the air, some straight and others in odd, graceful curves.

A friend introduced us to a kindly priest in flat black hat and long black cassock trailing to the ground. He offered to show us the grove. He pointed out the male and female palms, and explained that if the male dies the female trees bear no more fruit.

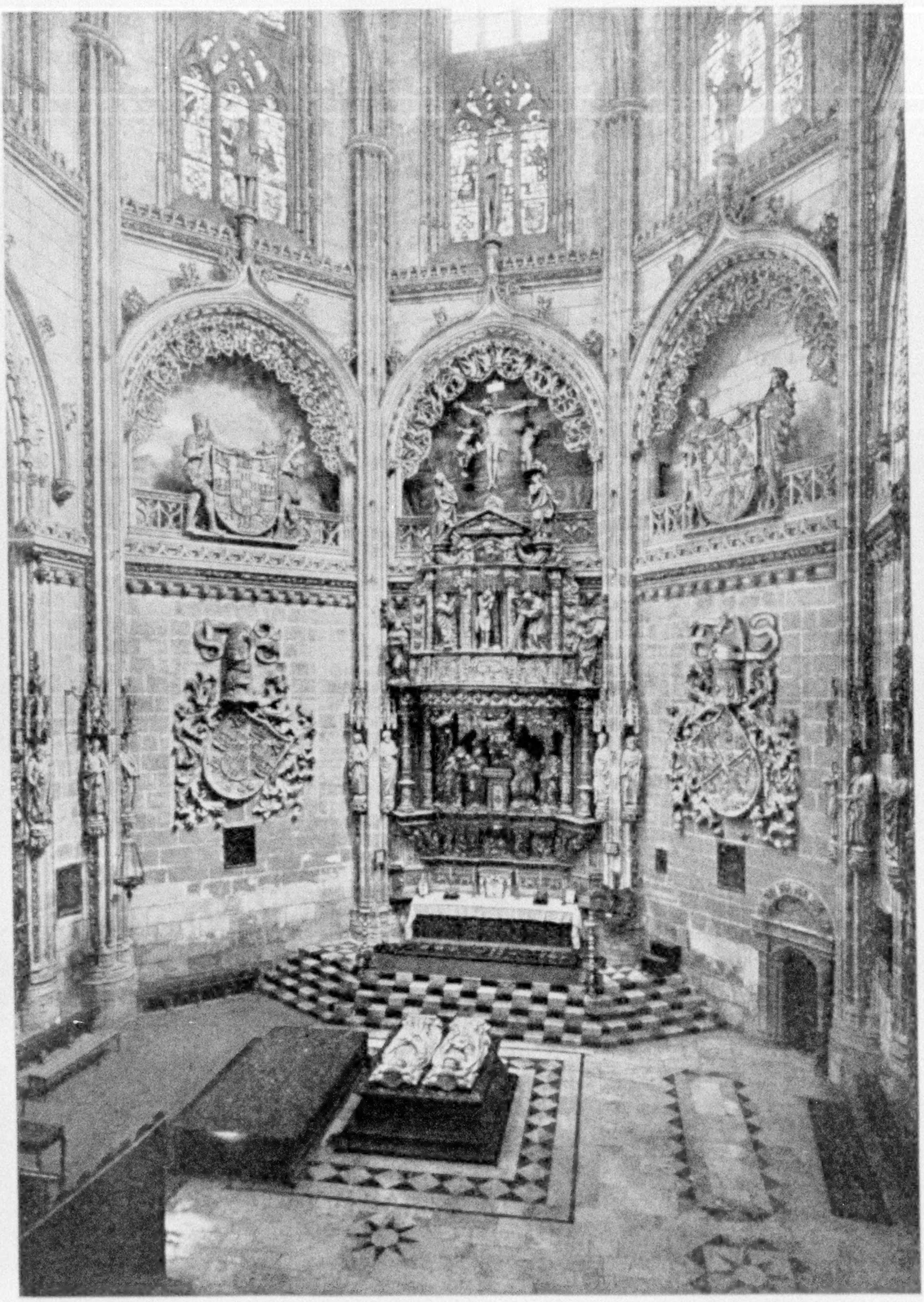
The peasants take the flourlike pollen from the male trees and sprinkle it over the female trees, which bear fruit every other year, each one producing from 50 to 80 pounds of dates.



Photograph by Ángel Rubio

BROBDINGNAGIAN LADIES WHO LIVE IN TOLEDO'S CATHEDRAL

"Los Gigantones" are huge, grotesque figures which, in accord with ancient custom, are sometimes carried through the streets in religious processions to afford amusement for the people. They are made to represent both historical and imaginary beings, and when not in use are kept in rooms opening from the upper cloisters and not accessible to the public.



Photograph from Harry A. McBride

THE CONSTABLE OF CASTILE SLEEPS HIS LAST SLEEP IN HIS OWN CHAPEL

This 15th-century octagon is the most magnificent chapel in the Cathedral of Burgos. Before the high altar lie the superbly sculptured tombs of the Constable (Don Pedro Hernández de Velasco, Conde de Haro), who died the year Columbus discovered America, and his wife. The tombs are of jasper, the effigies of Carrara marble. The altar itself is richly adorned with reliefs and statuettes and is reached by a checker arrangement of black-and-white steps.

Photograph from Ernest Peterffy

THE PUBLIC LAUNDRY AT VIGO IS WELL PATRONIZED

Women who have not facilities at home for washing clothes bring the family laundry here. The wooden water containers (lower right) are characteristic of northern Spain.

At one time the business here was very profitable, but now dates are cultivated in greater quantities in North Africa, which has become a more important source of supply.

The fruit is gathered in the same way as are palm nuts in Central Africa, the peasant passing a rope around the tree trunk and around his back, pressing his feet against the trunk, and slowly walking up and hitching the rope upward at each step.

PALM FRONDS TO WARD OFF LIGHTNING

Some of the trees had their fronds all gathered together and tied up in what looked like straw. We supposed this was to protect the newly forming bunches of dates, but found upon inquiry an entirely different explanation.

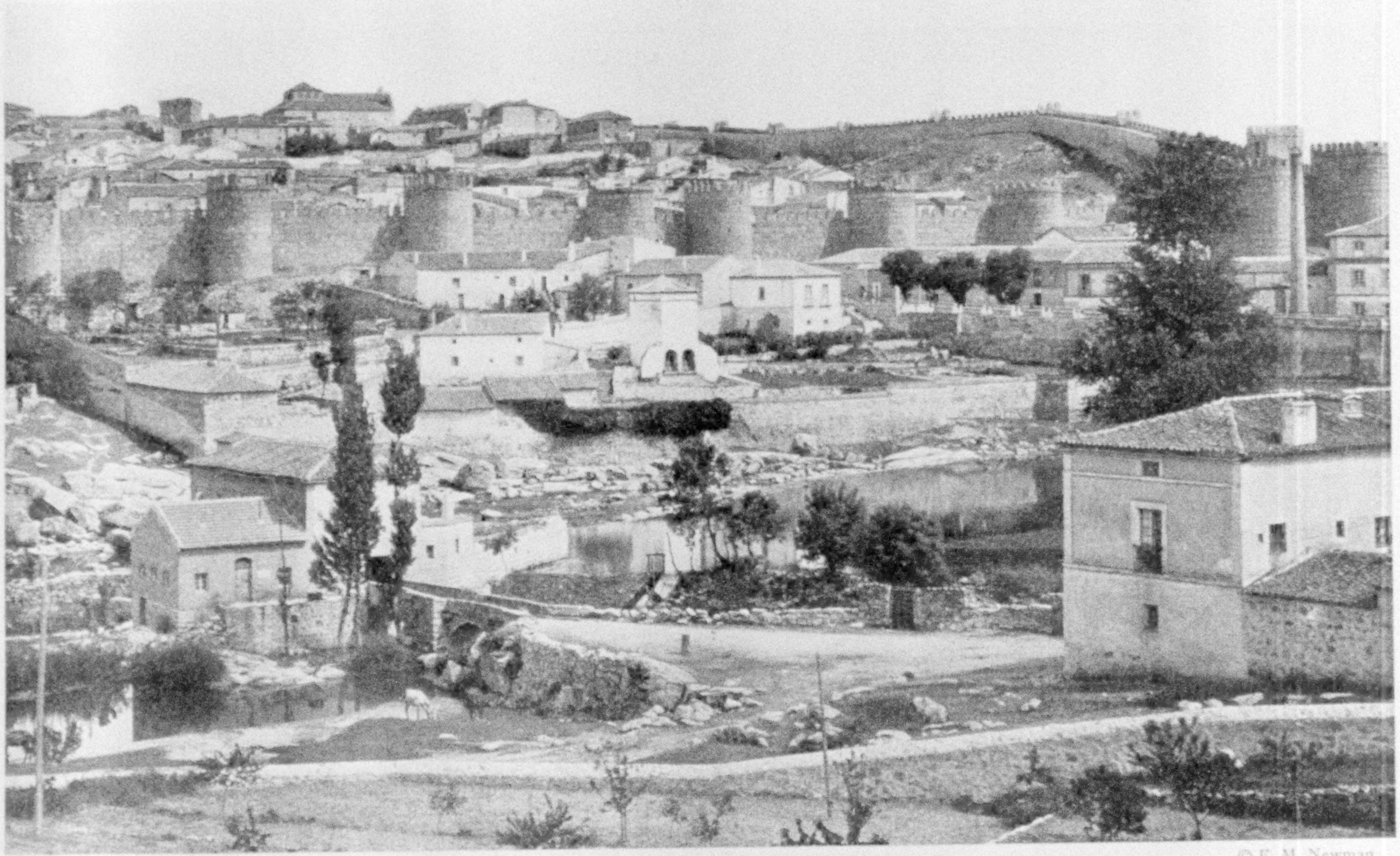
Travelers in Spain often notice dried palm fronds tied to the iron railings of balconies. These are not so frequent now as they were a few years ago; nevertheless many are still in evidence. The priests bless them at Easter time, and the fronds are then tied to the balconies, not only as evidence that a pious family dwells behind the balcony, but also in the belief that they ward off lightning.

The tied-up palms we saw at Elche were the male and barren female trees, whose fronds were bunched together to keep them white and clean for Easter. More than 8,000 trees are thus treated to supply these branches, which are shipped every year from Elche to all parts of Spain (see Color Plate XXIV).

That evening we had dinner at one of the little tables on the sidewalk of Alicante's Paseo. The street was very animated, hundreds strolling up and down, the young men keeping close behind their sweethearts, who, of course, were accompanied by their mothers, and at every occasion throwing them compliments on the beauty of their eyes and hair and the keenness of their wit.

ARCHITECTS COME TO CUPID'S AID

The young men are not allowed to walk with the girls until it is known that their intentions are serious. So it is on the Paseo that acquaintance is first made.



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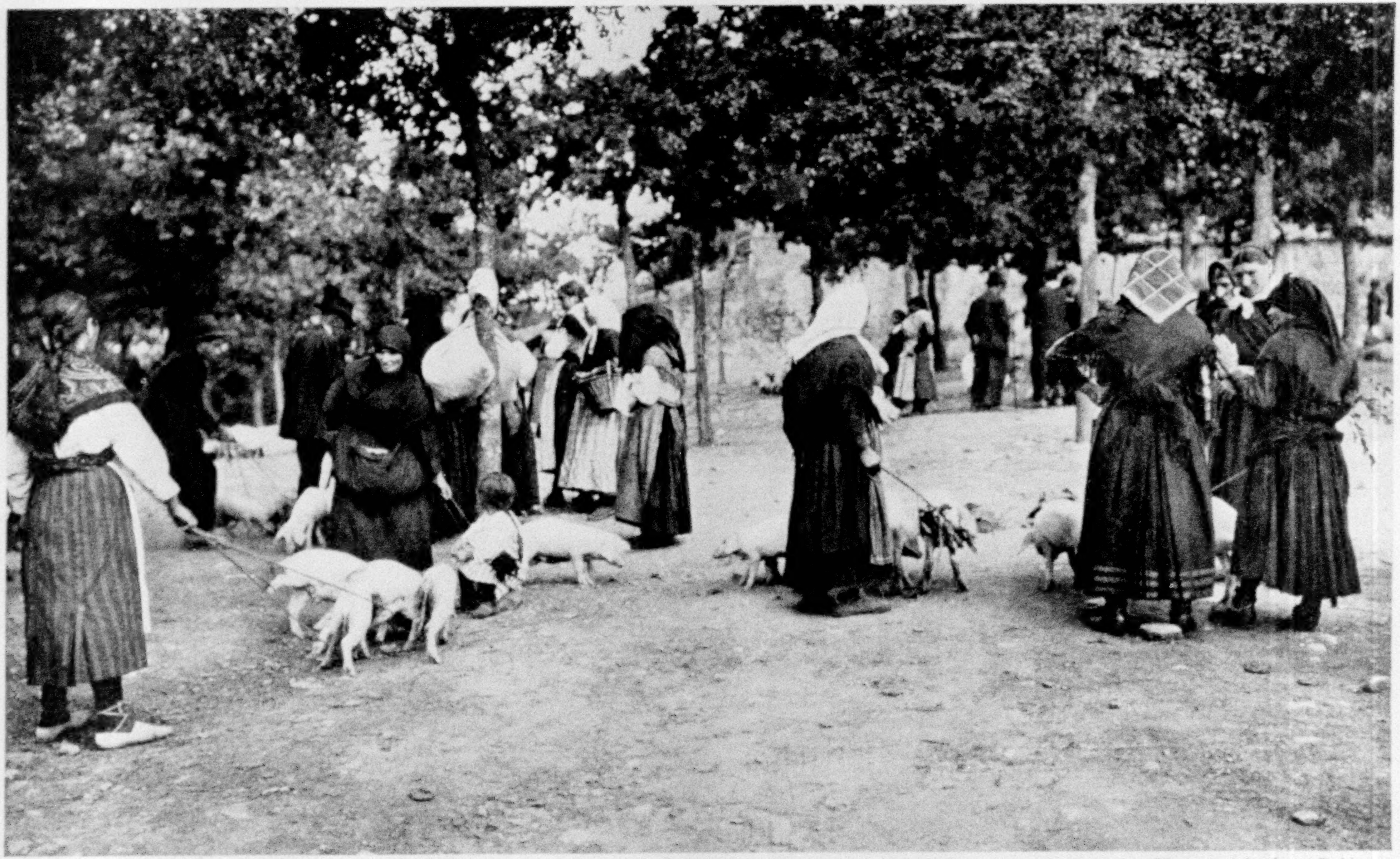
A SPLENDID ARRAY OF WALLS AND TOWERS ATTEST ÁVILA'S AGE

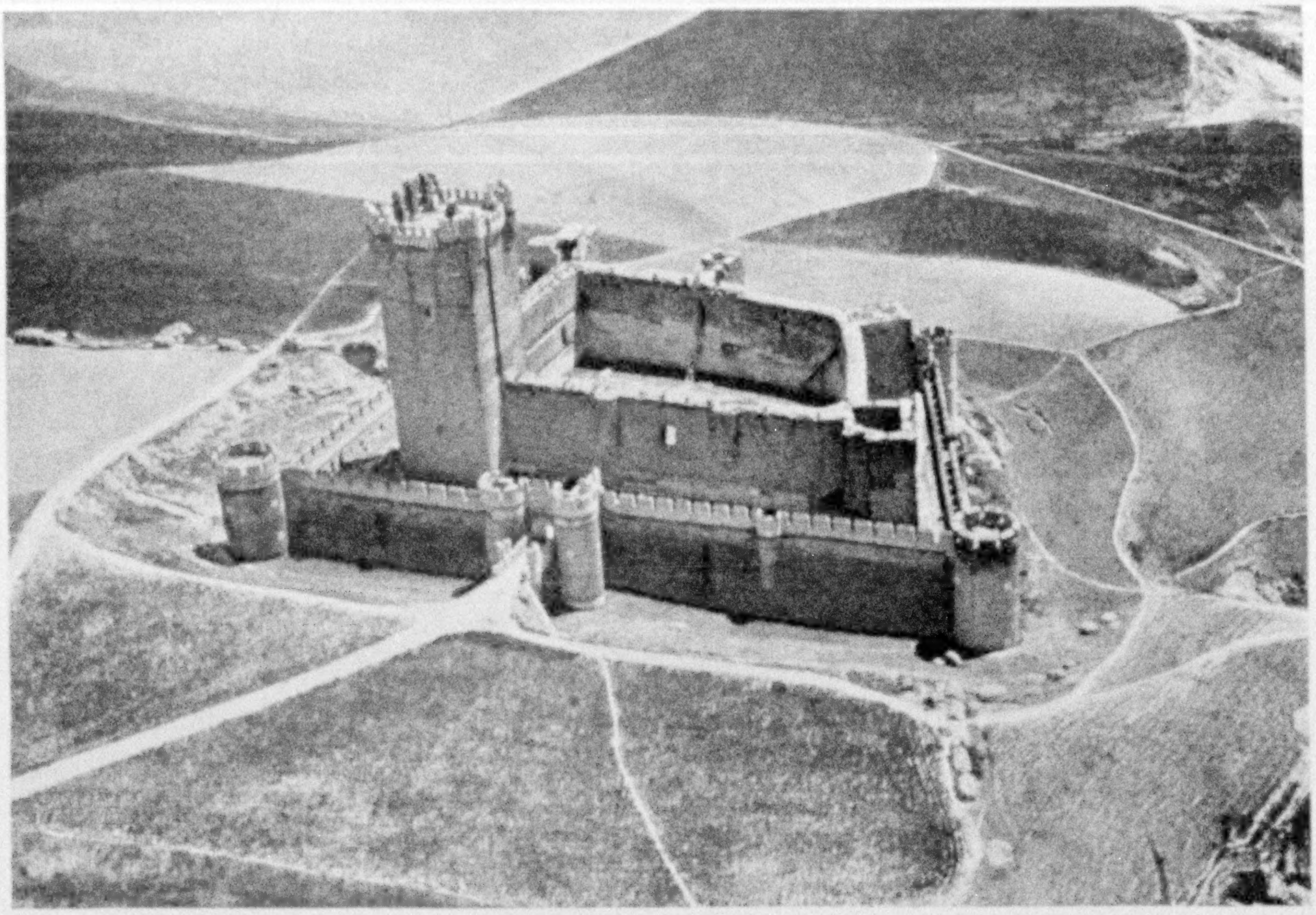
Like its sister city of Carcassonne, across the Pyrenees, Ávila is renowned as a surviving picture of the Middle Ages. Its cathedral, built into the walls, is adapted for defense as well as for worship.



Photograph by Angel Rubio

THESE LITTLE PIGS GO TO MARKET AT SANTIAGO DE COMPOSTELA

Galicia's abundance of acorns and chestnuts makes swine-raising profitable. Some of these animals, instead of being turned into pork products, are trained to hunt truffles, fungi which grow underground in oak and chestnut forests particularly and which can be readily detected by their odor. In the Middle Ages Santiago de Compostela, Galicia's former capital, was famous for its shrine of St. James the Great. So many pilgrims flocked to it that "the Santiago Road" became the popular Spanish name for the Milky Way.



Photograph by Aviación Militar Española

QUEEN ISABELLA DIED WITHIN THE WALLS OF CASTILLO DE LA MOTA

This fortress, built at Medina del Campo in 1440, was a favorite resort of the great Castilian queen. It was one of the principal strongholds on the Castile-León frontier.

The smitten youth follows the girl home to learn where she lives, and thereafter is seen every night walking up and down in front of her balcony. His greatest moment is when finally the balcony door is opened and his lady appears to talk a little with him, thus showing that she is not averse to his attentions. Of course, he may not enter the house until they are formally engaged.

This daily visit to talk with their lady love is called *haciendo el oso*—doing the bear.

Everything went well in the old days, when houses were only one or two stories high; the maiden sat behind the iron bars of her window and the youth stood for hours outside, rain or shine, winter or summer. But when, in the cities, buildings of four and five stories took form, the practice became more complicated.

Architects soon overcame the difficulty, and in many apartment houses to-day, as one ascends the stairs, there is an entrance to the left and right apartment at the top of each landing, and beside each door a small oval window, heavily barred with iron, has been cut to facilitate Cupid's labors.

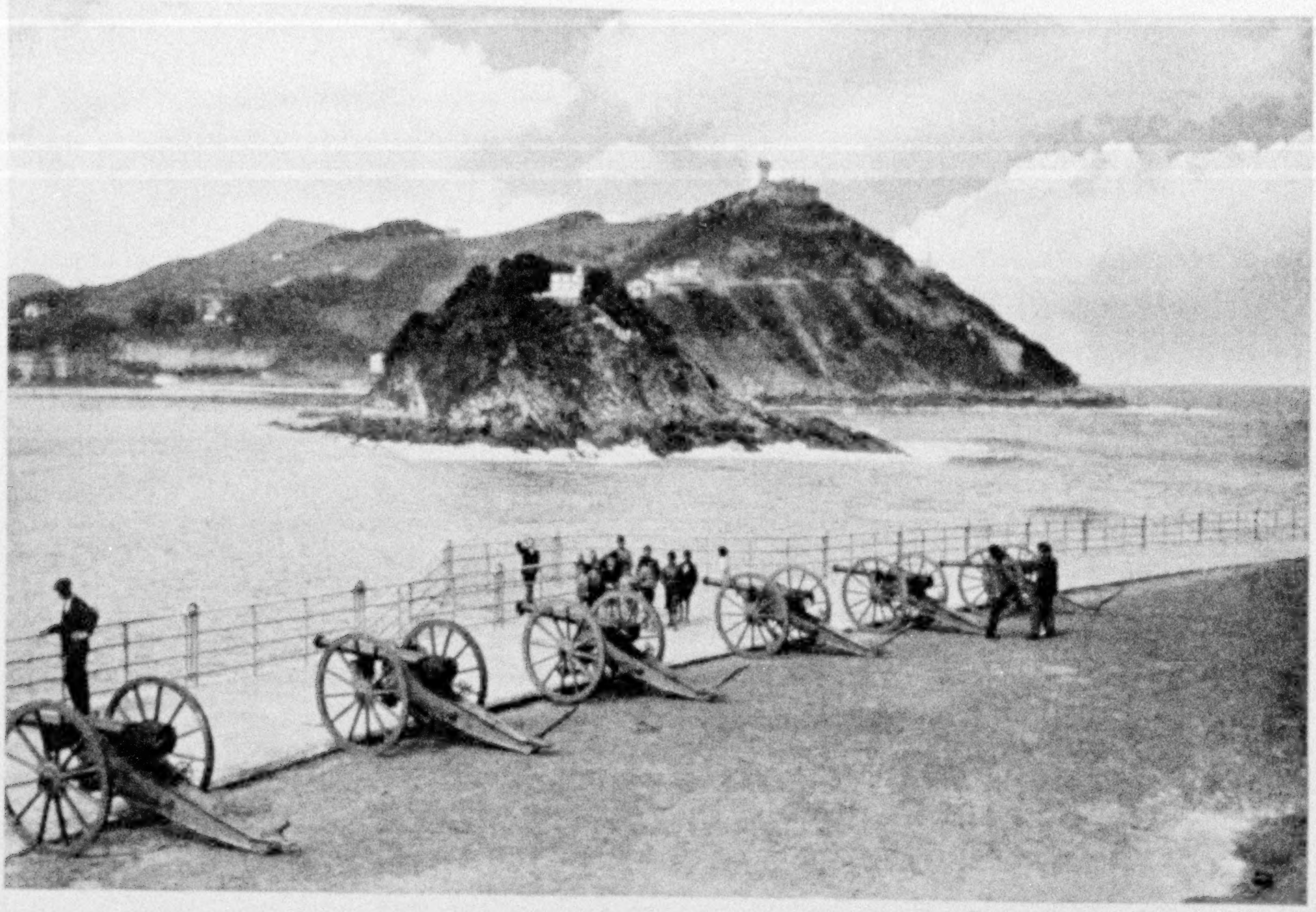
Not all buildings have this improvement, and heavy is the burden of the youth whose maid lives on the fourth floor in a narrow street, and who can only stand on the opposite sidewalk and look up at Juliet so far above him.

Under these conditions young people become extremely eloquent in sign language, because talking is difficult at such a range, amid the cries of street venders and children, the honk of automobile horns, and the racket of iron-tired carts over cobblestones.

After a lengthy, silent interview the boy turns the corner, rubbing the poor strained muscles of his aching neck.

We were only halfway through the meal when we heard a high tremulous voice singing the number of a lottery ticket.

It was 9 o'clock, we being early diners. The rest of the tables would not be filled until 10 or 11; so the lottery vender, a crippled old hunchback in rags, spied us at once. He approached the table and begged us to take the two remaining deci-



Photographs by Angel Rubio

WIDE PROMENADES SKIRT SAN SEBASTIÁN'S BEAUTIFUL BAY

Here the royal family comes frequently during the warm months to enjoy the bracing Biscayan air. It was from this port that Lafayette set sail for America to offer his services to the Continental Congress. In the foreground is Santa Clara Island, which affords fine views from its lighthouse. In the background is Mount Igueldo.

mals of his ticket, at three pesetas each, assuring us that his ticket was positively sure to win the *gordo*, or first prize. We were not interested. He urged us further, and finally, in strong language, we told him to be off. He looked dreadfully hurt, almost insulted, threw the two decimals on the table, and hobbled off.

"He will be back soon for his money," I explained. "Perhaps we really ought to buy the ticket; it adds up to thirteen." But when he did come back we were obdurate and he carried the ticket away. The next day the selfsame number won the second prize in one of the smaller lotteries and we would have been 12,000 pesetas the richer! Thus does opportunity knock at one's door!

ALL SPAIN THRILLS OVER STATE LOTTERIES

These State lotteries take place regularly on the first, eleventh, and twenty-first of each month. Tickets for the first cost 30 pesetas, and the first prize is 100,000 pesetas; for the second, tickets are 40 pesetas, the first prize being 120,000 pesetas, and for the last drawing in each month tickets cost 50 pesetas, with a first prize of 150,000 pesetas.

The tickets are about the size of a newspaper page, each divided into ten parts (see illustration, page 287), and the venders generally try to sell one or two decimals at a time, though one often sees a poorly dressed farmer in town investing in one entire ticket at a single clip. This has grown to be a huge State institution, the revenue therefrom amounting to millions.

Here and there, in cities and towns, one sees tiny shops, the licensed lottery agencies to which a small commission on sales is paid. The poor street venders procure their tickets from these agencies, and they in turn depend upon the tip of a few coppers which it is customary for the purchaser to give them "for luck." If a person wins a large prize, the vender of the ticket is usually given a handsome reward.

In addition to the regular lotteries, there are one or two "extras," the most important being the Christmas lottery, in which the first prize is 15,000,000 pesetas. The drawings are held in a large auditorium in the Mint, at Madrid. On one side of the stage there is an immense globe of wire mesh, in which there are thousands of little numbered balls like large marbles, one for each ticket sent out for sale. On the opposite side is a smaller globe—much smaller—also containing numbered balls, but few in comparison with its huge counterpart. These are marked, one for the first prize, one for the second, and then the few dozens of other prizes.

The auditorium always has a considerable audience at each drawing. At Christmas time it is packed with an anxious multitude. Officials and recorders sit at tables. A uniformed attendant turns the crank of the large globe, thoroughly mixing the little balls. Then he opens a lid, so that one ball may fall out upon the hand of one of the little boys from an orphan asylum.

This number, which represents a prize winner, is called out and recorded; then the smaller globe is turned and one ball extracted therefrom. The number drawn indicates the prize won (first, second, third, etc.), and the operation proceeds until the balls in the smaller globe are exhausted.

FANTASTIC TALES ABOUT WINNERS

In the Christmas lottery as many as 60,000 tickets are sold at 2,000 pesetas each. These are divided into 20 parts instead of 10, each part costing 100 pesetas. Merchants buy these tickets and divide them into "participations" of a peseta or 50 centimes.

The winning numbers in each lottery are telegraphed to all the daily newspapers and published the following day; and many are the fantastic tales of how a bootblack has become rich overnight, or how the gordo has fallen to some lucky investor in far-off Cuba. Two years ago an English clerk in a Madrid office won a large slice of the Christmas prize.

On one occasion no one claimed a certain prize in a smaller lottery. Finally a poorly dressed peasant woman insisted that her husband had bought that number; but the husband had died and she could not find the ticket. Going into the subject carefully, it was recalled that the peasant had bought the ticket on a Sunday. He was buried in his Sunday suit. So the body was exhumed and the ticket found.

From Alicante we traveled the hot and dusty road skirting the rocky castle hill to the suburb of Val Roch, inhabited by swarthy barefooted fishermen.

TOWNS FAMOUS FOR ONE THING EACH

In this Alicante land also we found that "everything was paintable." Indeed, an American artist had brought thither from New York a student class, which was working in the environs.

Farther along through the dust, yellow rock, and palmetto grass, the road ascends, the way becomes mountainous, and then slopes downward again.

Unexpectedly, out of a scene hot, lazy, and rustic in the summer sun, one comes upon Alcoy, a town of 35,000 people, spread along a terrace.

Alcoy, modern and prosperous, its industry indicated by several busy mills, is famous throughout Spain for its one little specialty, the manufacture of cigarette paper, a rôle in which it is absolutely supreme. The mills are situated along a sparkling stream that tumbles down in leaps and bounds from the higher hills.

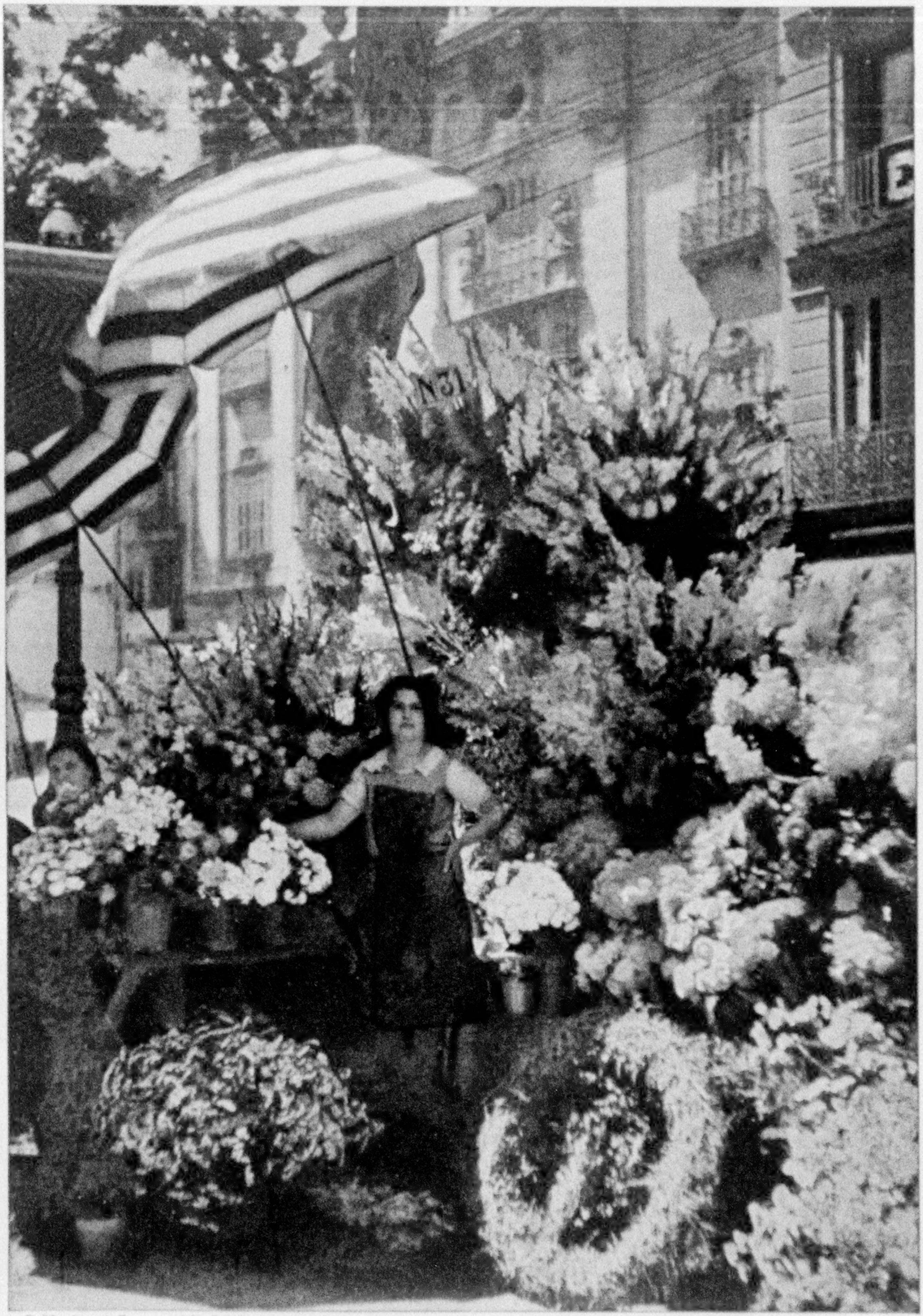
It is odd that in Spain there are so many small towns that have adopted a little specialty of this kind, and have become so proficient therein that no other would think of starting competition.

Alicante itself makes wonderful almond paste. Logroño, up in northern Castile, makes caramels of coffee and milk which are sold in every sweet shop in Spain, at every railway station, as well as in most theaters. Boys with wooden trays call, "Caramelos de café con leche, legítimos de Logroño."

Loja, near Granada, is famous for its frosted buns. No one would buy a revolver that did not come from Éibar, near San Sebastián, whereas Palma, on the island of Majorca, is, for no obvious reason, paramount in the manufacture of shoes.

Before terminating our journeys on the bypaths, there were still three localities we wanted to know—Segovia, Ávila, and Galicia—all far-flung from our now familiar Mediterranean littoral.

But these two cities and the mountainous northwestern province present so many different phases of Spanish life that they deserve a journey and an article all their own.



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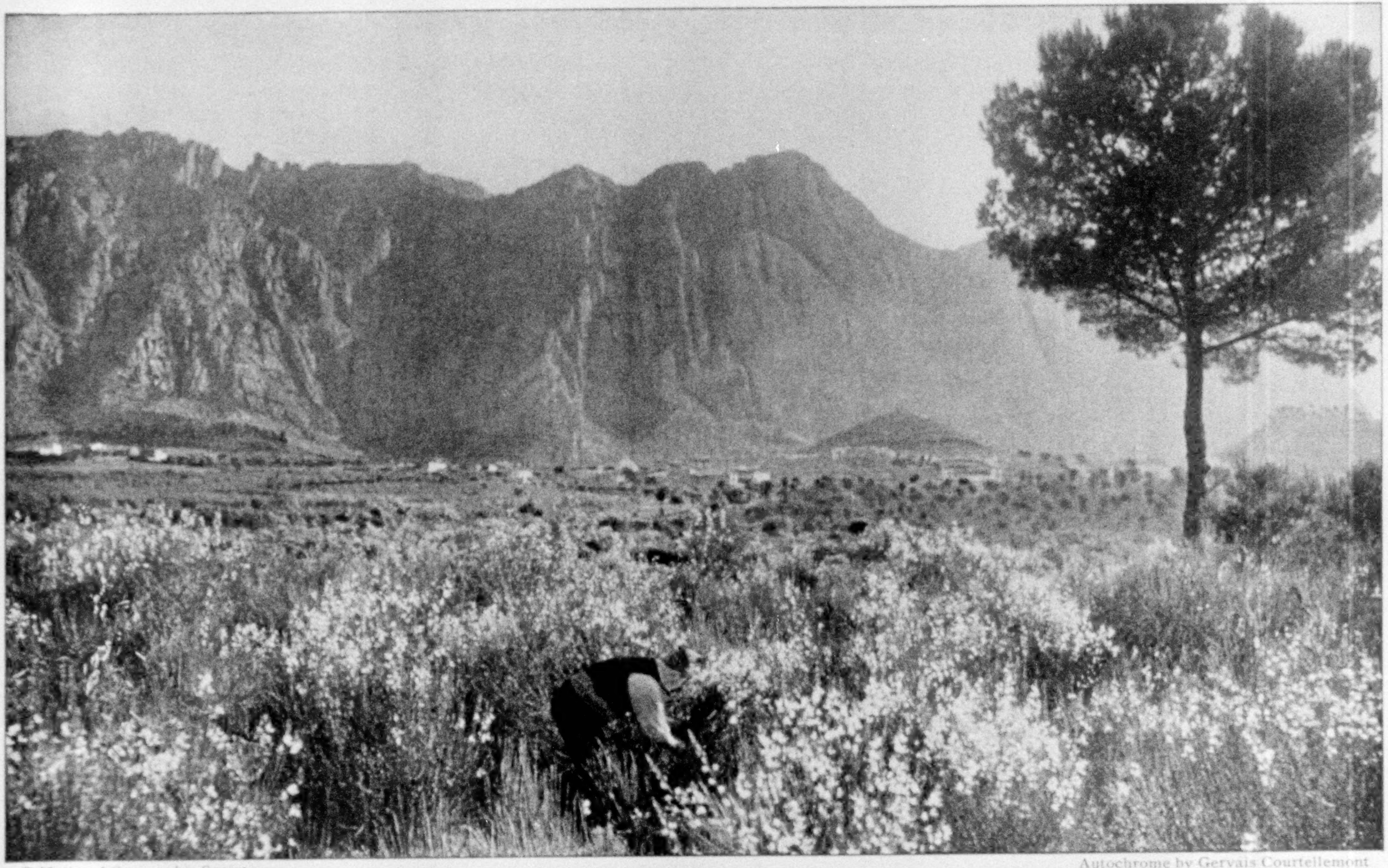
A BLAZE OF LIVING COLOR ADORNS THE RAMBLA DE LAS FLORES

Through the heart of Barcelona winds this broad street with tree-bordered central promenade. Sections are given over to markets of various kinds, two of the most interesting being devoted to the display and sale of flowers and birds.



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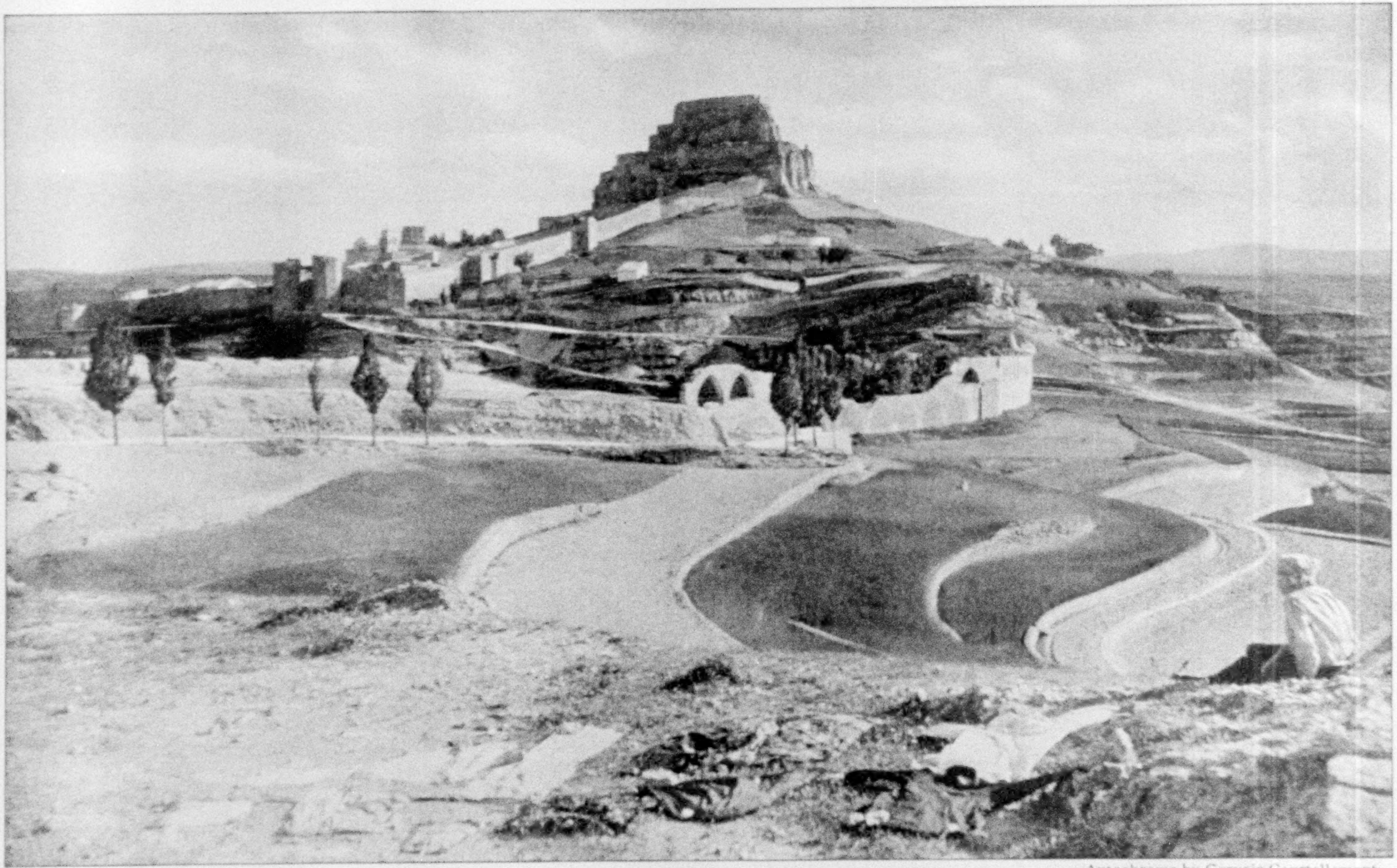
THE MOUNT OF THE HOLY GRAIL RISES MAJESTICALLY FROM THE PLAINS NEAR BARCELONA

Montserrat's impressive rock mass has countless historic and legendary associations. Here Parsifal, the pure knight, is reputed to have brought to a successful termination his long quest for the Holy Grail. Here, too, in the ninth century, a group of peasants found in a cave a black wooden image of the Virgin, which tradition ascribed to the knife of Saint Luke and which Saint Peter is supposed to have brought to Spain.



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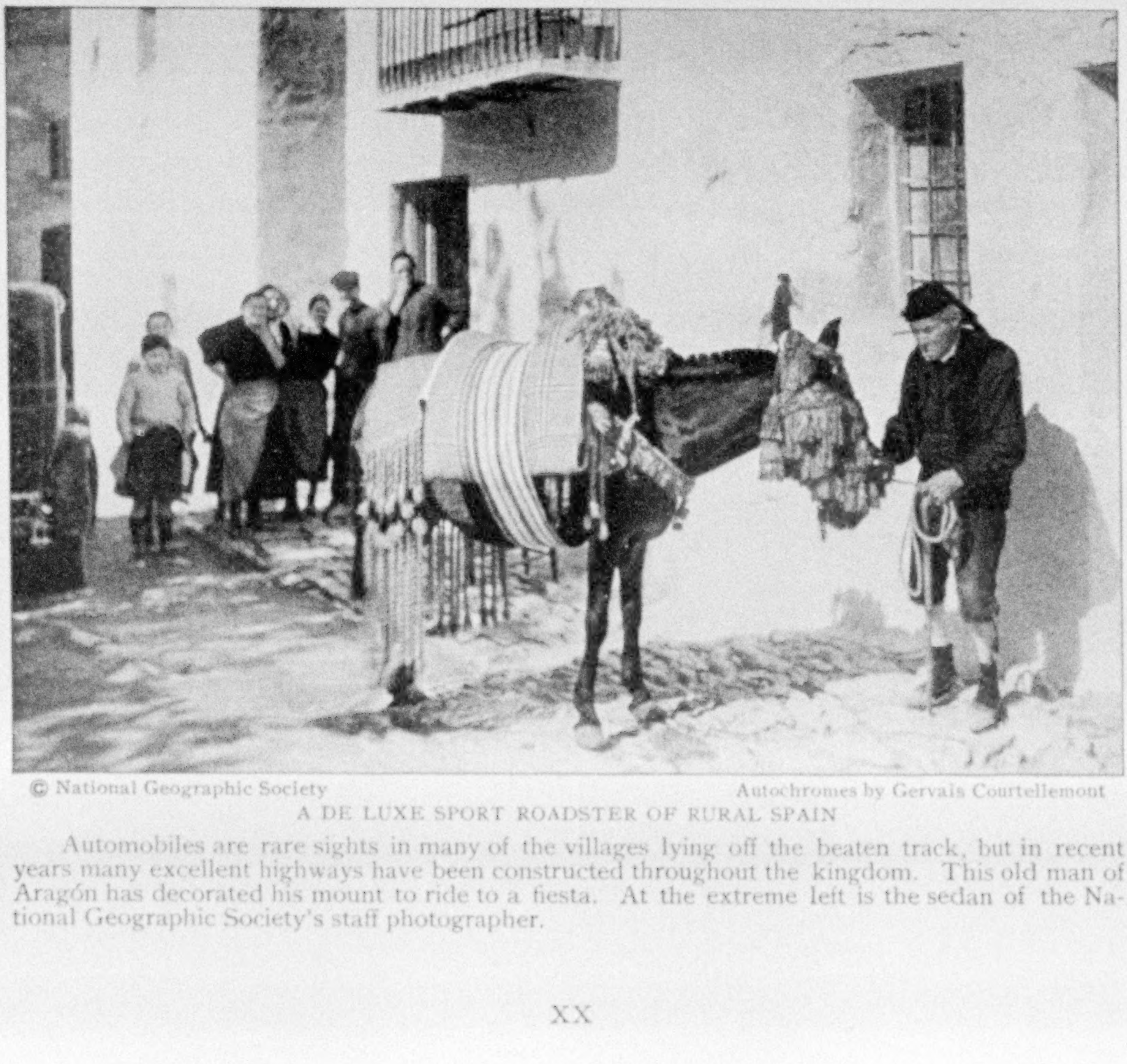
ON THE HEIGHTS STAND MORELLA'S GAUNT TOWERS AND CRUMBLING WALLS

This old fortress crowning a conical hill was long recognized as a place of strategic importance. It was the Castra Ælia of Roman days and later its walls served as a defense for the frontiers of Moslem Valencia against forays of the men of Christian Aragón. Although a community of several thousand people, Morella lies off the railroad and consequently is known to few tourists.

RICE FLOURISHES ON THE LOW PLAINS OF VALENCIA



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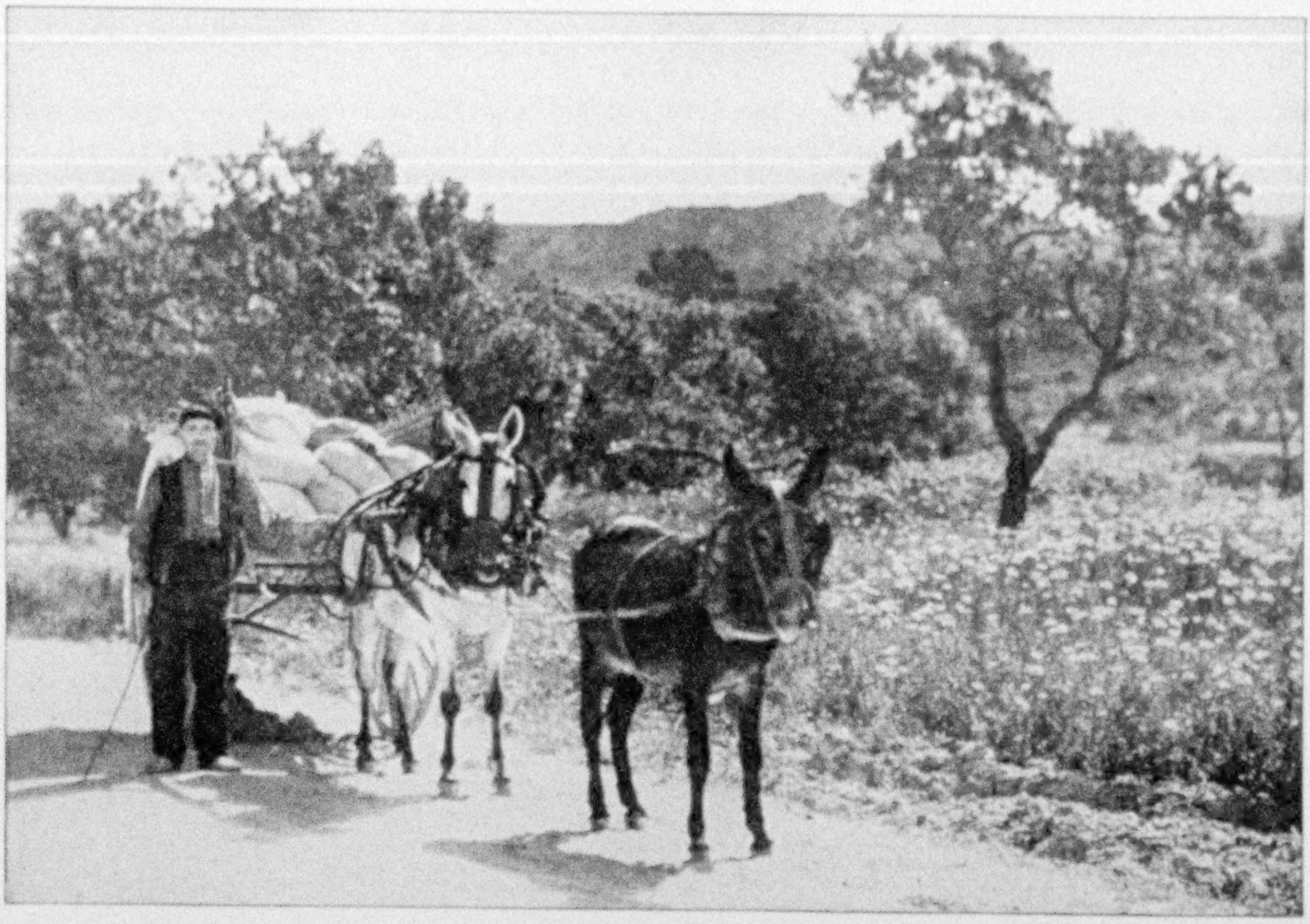
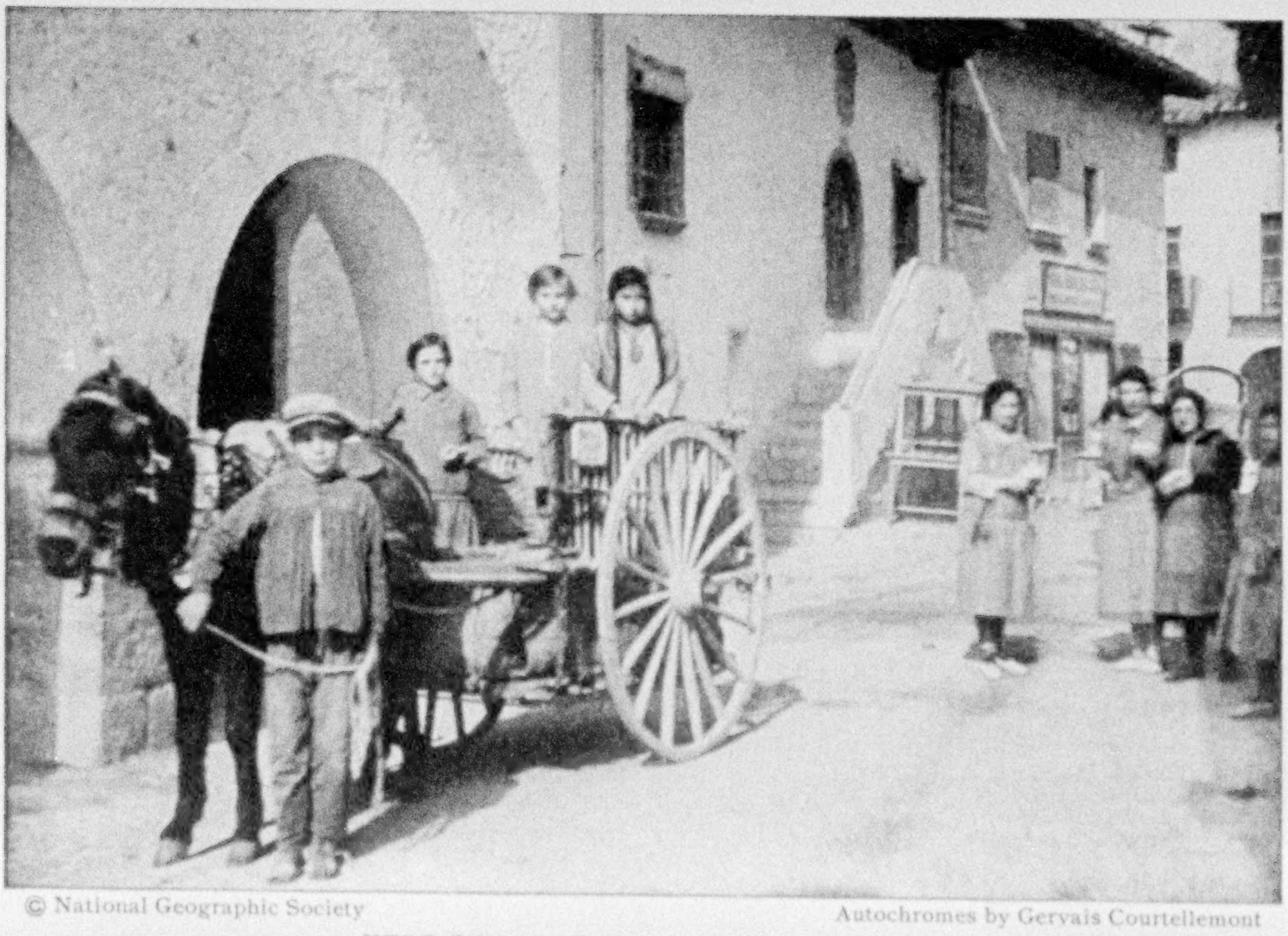
A DE LUXE SPORT ROADSTER OF RURAL SPAIN

Automobiles are rare sights in many of the villages lying off the beaten track, but in recent years many excellent highways have been constructed throughout the kingdom. This old man of Aragón has decorated his mount to ride to a fiesta. At the extreme left is the sedan of the National Geographic Society's staff photographer.



ON THE OPEN ROAD IN PROSPEROUS TARRAGONA



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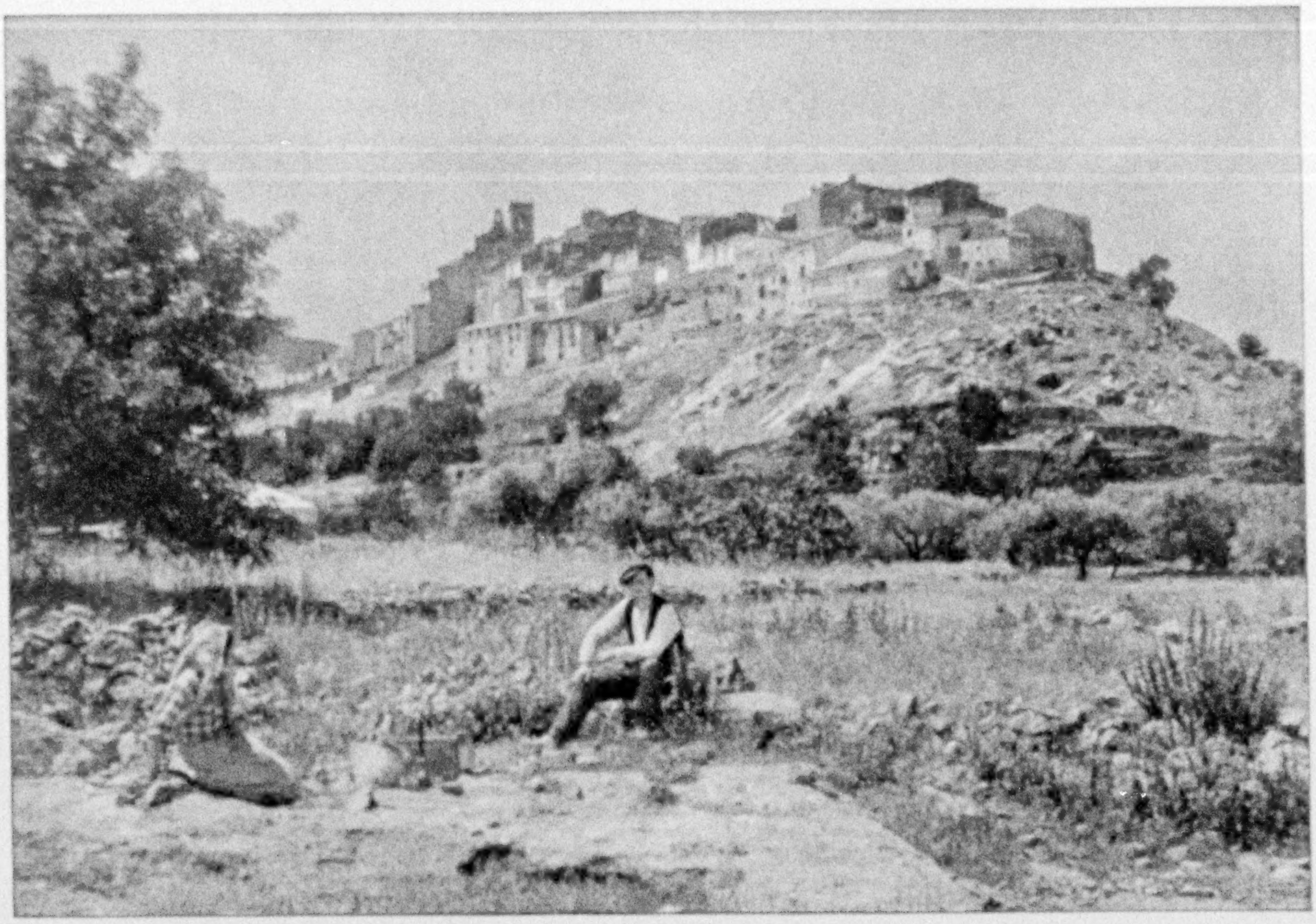
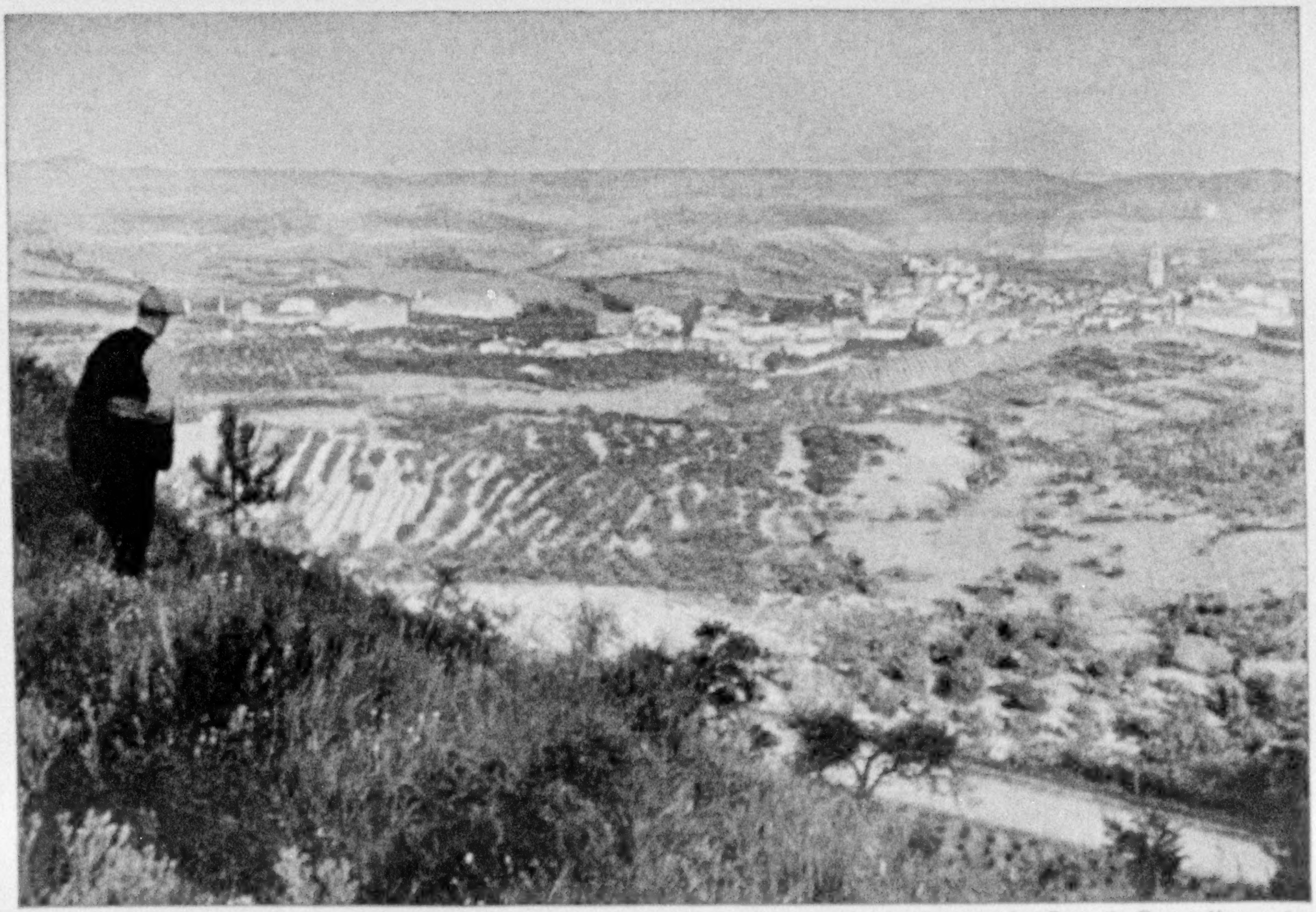
HERE CHILDREN LEAD A CAREFREE LIFE

Bright sunshine and a warm climate make ideal play weather for the young folks. Spanish parents are proverbially indulgent to their children. This poor donkey, despite the loss of both ears, is a source of never-ending delight to the children of the village of Benasal, in Valencia, whose special pet he is.



HILLTOP VILLAGES ARE MONUMENTS OF TURBULENT TIMES

Like many other Spanish communities, Villafamés was founded in days when the first requirement of location was defensibility. It is in the Province of Castellón de la Plana, well known for its oranges.



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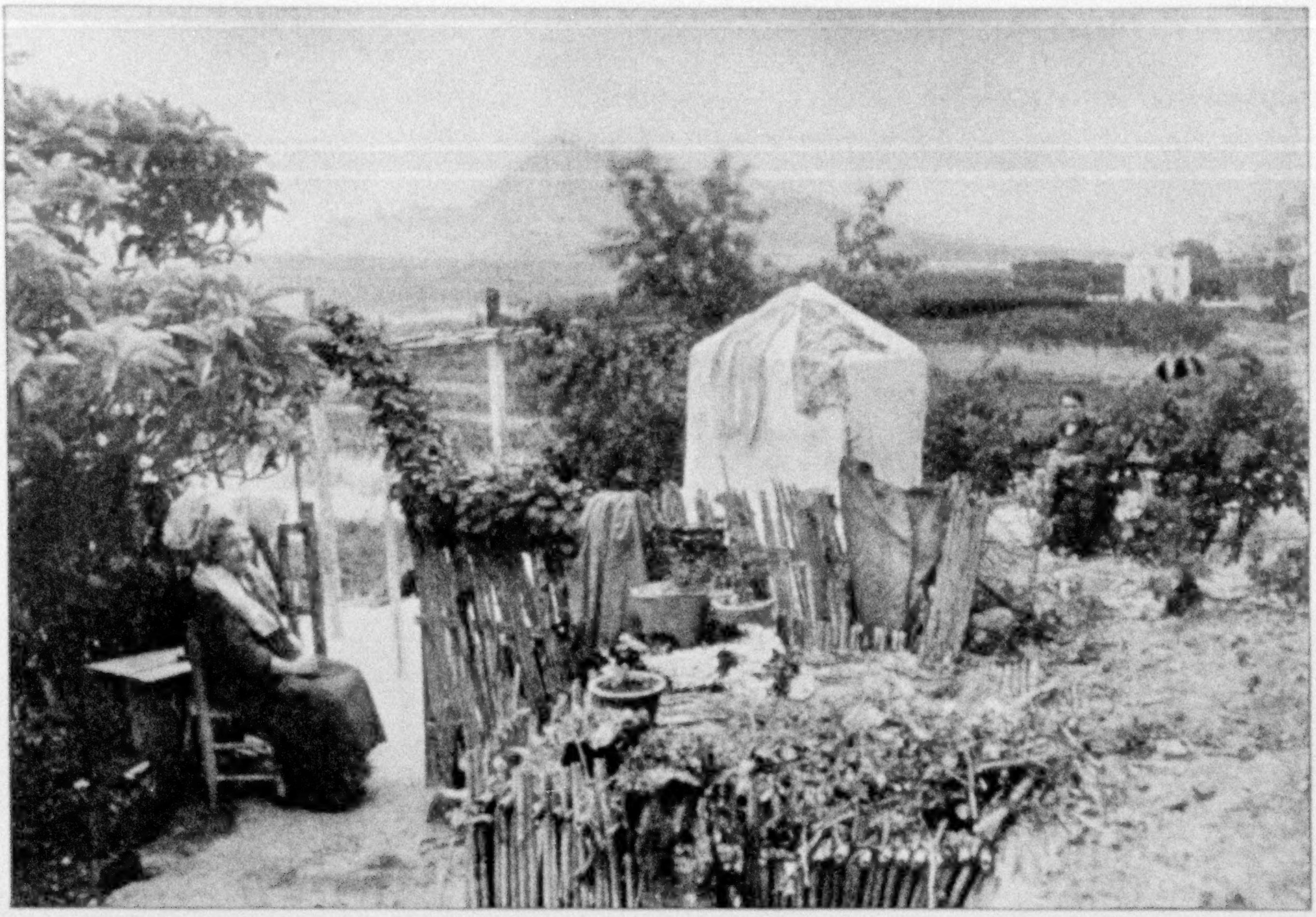
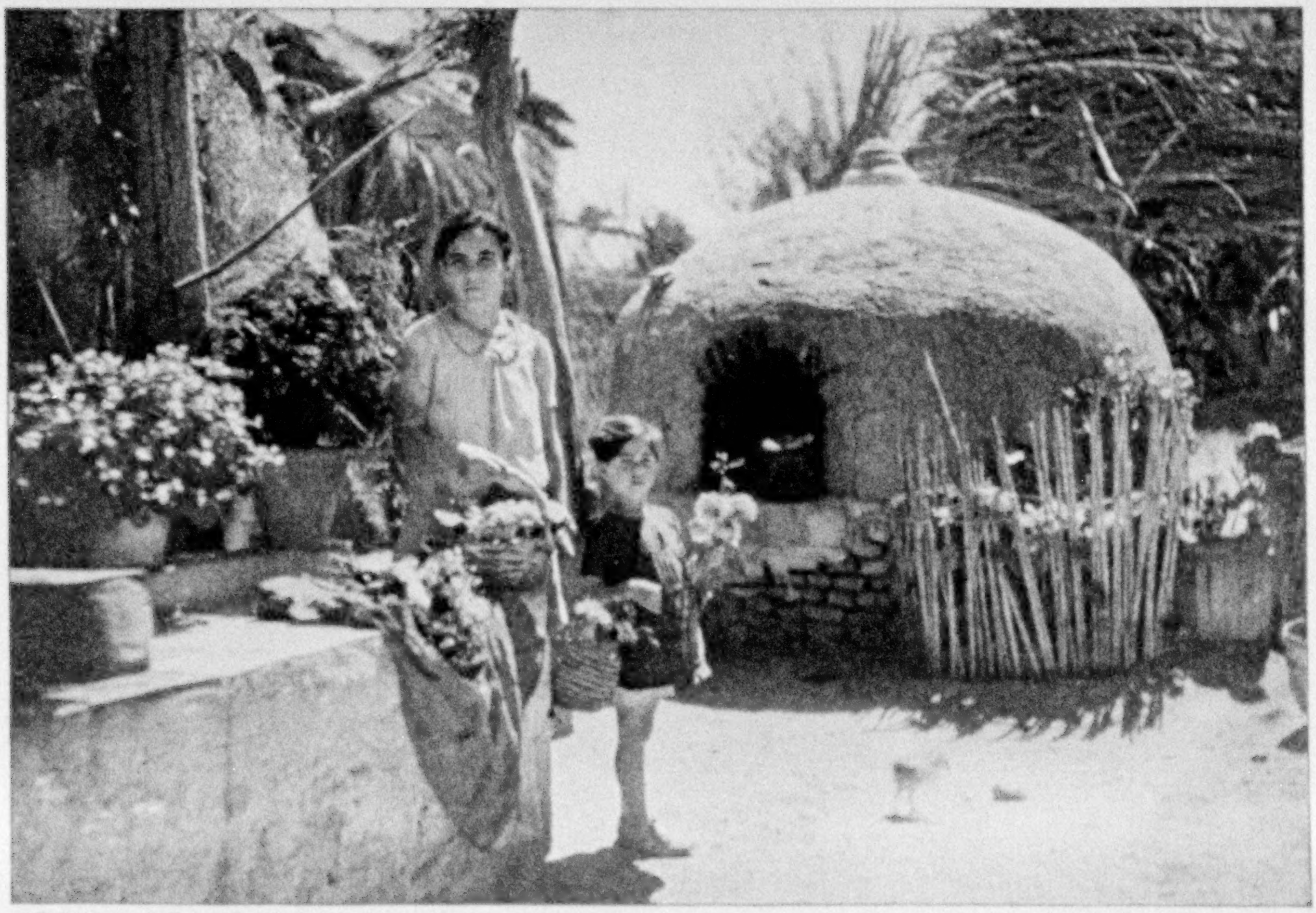
TARRAGONA'S COUNTRYSIDE IS GREEN WITH OLIVE ORCHARDS AND VINEYARDS

More than 4,000,000 acres are devoted to olive culture in Spain. About ninety per cent of the United States importation of this fruit comes from there, the remaining tenth originating in Italy, Greece, and North Africa (see also Color Plate XXI, upper).



AN ALTEA FARMYARD DROWSES UNDER A FRIENDLY SOUTHERN SUN

This sleepy little town, once the seat of a nobleman of consequence, perches on a hill (in the right distance) with gardens stretching down to a sandy cove of the sea, between Valencia and Alicante.



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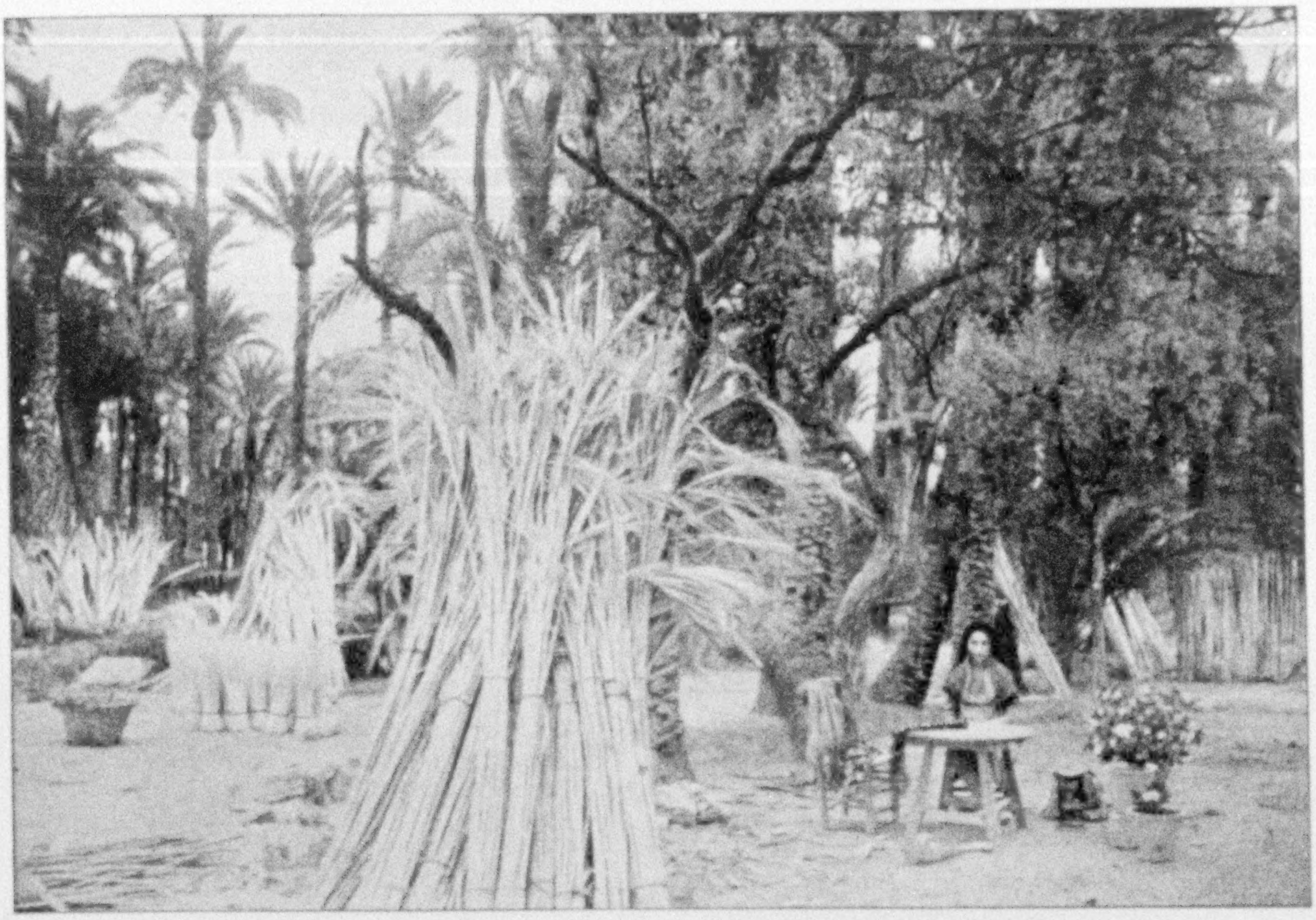
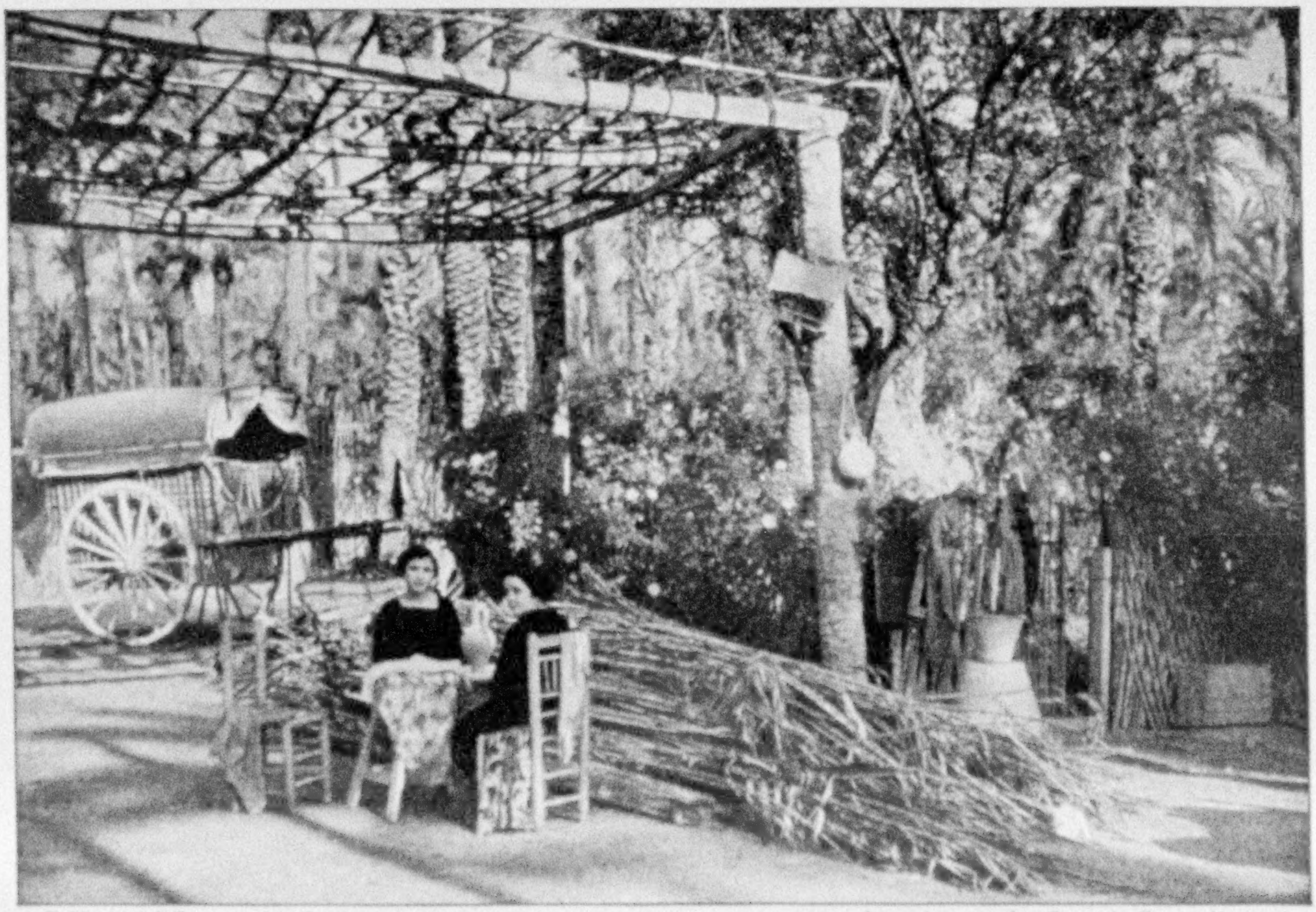
THE COURTYARD OF A TRUCK FARM IN MURCIA

Parts of this torrid province are too hot and dry to be productive, but in the *huerta*, or irrigated region, fine fruits and flowers are grown. The dome in the background keeps the farm's well water cool and clean.



ANCIENT ELCHE IS LIKE A BIT OF AFRICA TRANSPLANTED

Feather-topped trees, which serve to set this region apart from all others in Spain, are far more famous for their leaves than for their fruit. Most of these are used for making baskets and other palm-fiber articles.



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IN THE REFRESHING SHADE OF TOWERING PALM TREES

At Elche irrigation practices of the Moors are still continued and in the groves, arbutus, geranium, laurel, oleander and tuberose grow in profusion. Pomegranate and orange trees also thrive under the protection of the palms, especially the delicious, fragrant, sugar-cane orange.

BARCELONA, PRIDE OF THE CATALANS

By Harriet Chalmers Adams

Author of "An Altitudinal Journey Through Portugal," "Adventurous Sons of Cádiz," "Across French and Spanish Morocco," etc., etc., in the National Geographic Magazine

BACK of the city of Barcelona, in the northeast corner of the Iberian Peninsula, rises the hill El Tibidabo. From its summit there is an all-embracing view of encircling pine-clad hills, with the snowy range of the Pyrenees far away to the north. Below, outspread on the sloping plain, between the green of the Catalonian hills and the blue of the Mediterranean Sea, lies the great industrial mart and chief port of Spain, with Madrid as its only national rival in population and progress (see illustration, page 374).

Barcelona's million and more inhabitants are, in greater part, Catalans, of a different blood and tongue from other Spaniards; but to its factories and foundries have come men and women from every part of the country (see map, page 314): plodding Galicians from the verdant northwest, granite-faced Castilians from the bleak central plateau, vivacious Andalusians from the tawny south, sturdy Estremadurans, whose rugged southwest borderland gave to the New World many a valiant *conquistador*.

The deep-bosomed, high-coifed nurses, with their long gold earrings, who tend the upper-class children under the leafy plane trees, are highland Asturian women. The sharp-featured northern Basques, with their jaunty, visorless, blue woolen caps, are in evidence on the crowded streets. During three prolonged visits my coachmen have been honest, hard-headed Aragonese from the dry, gray land to the west.

A RACE OF MARINERS AND TRADERS

Besides the Spaniards, each so distinctive in type, this city of far-reaching trade has an increasing foreign element; yet, in spite of admixture, with King and flag Spanish and Castilian the official tongue, Barcelona remains at core Catalán, civic expression of a hardy, clanny race of mariners and traders, fighters from start to finish, allied by blood and language to the peoples of southern France.

The Catalonian archeological record goes back to the misty dawn before the first Phœnician or Ionian sail appeared on the western Mediterranean. In polychrome ritual paintings on rock-shelter walls and in Cyclopean base stones in prehistoric fortifications, we have tangible contact with that brown-skinned Iberian race whose shafts and sling-stones harried the earliest adventurous navigators; who later fought valiantly in the Punic wars as allies of the Carthaginians.

By sea from the east, or over the high mountain wall which separates the Peninsula from the rest of Europe, came invaders and conquerors—Phœnician, Greek, Carthaginian, Roman, Vandal, Visigoth; with the Moslem invasion from the south, Berber, Arab, Syrian—each to add his strain to the virile native stock.

In the Middle Ages, Catalán warriors wrested Valencia and Majorca from the Moslems, conquered Sardinia, Sicily, and Naples, sending their victorious galleys as far east as Athens.

Those were the glorious days when, as a maritime power, Barcelona outranked Venice, Genoa, and Pisa, trading from Egypt to the North Sea.

In the old royal palace in Barcelona, which now houses the archives of the Crown of Aragón, comprising nearly 4,000,000 documents, I saw the original of the famous 13th-century code of maritime laws issued by the ruler best beloved of the Catalans—big, handsome, ruddy-haired Jaime I, known as "the Conqueror."

It was not until the 15th century, when Ferdinand of Aragón married Isabella of Castile, that this sparkling, seablown corner of the Peninsula became part of United Spain.

Nearly one hundred years ago the 13 historic provinces on the Spanish mainland were divided into 47. It was then that the triangular territory called Catalonia* was carved into the four provinces of Gerona, Barcelona, Tarragona, and Lérida, all but the last named facing the sea; yet, in the

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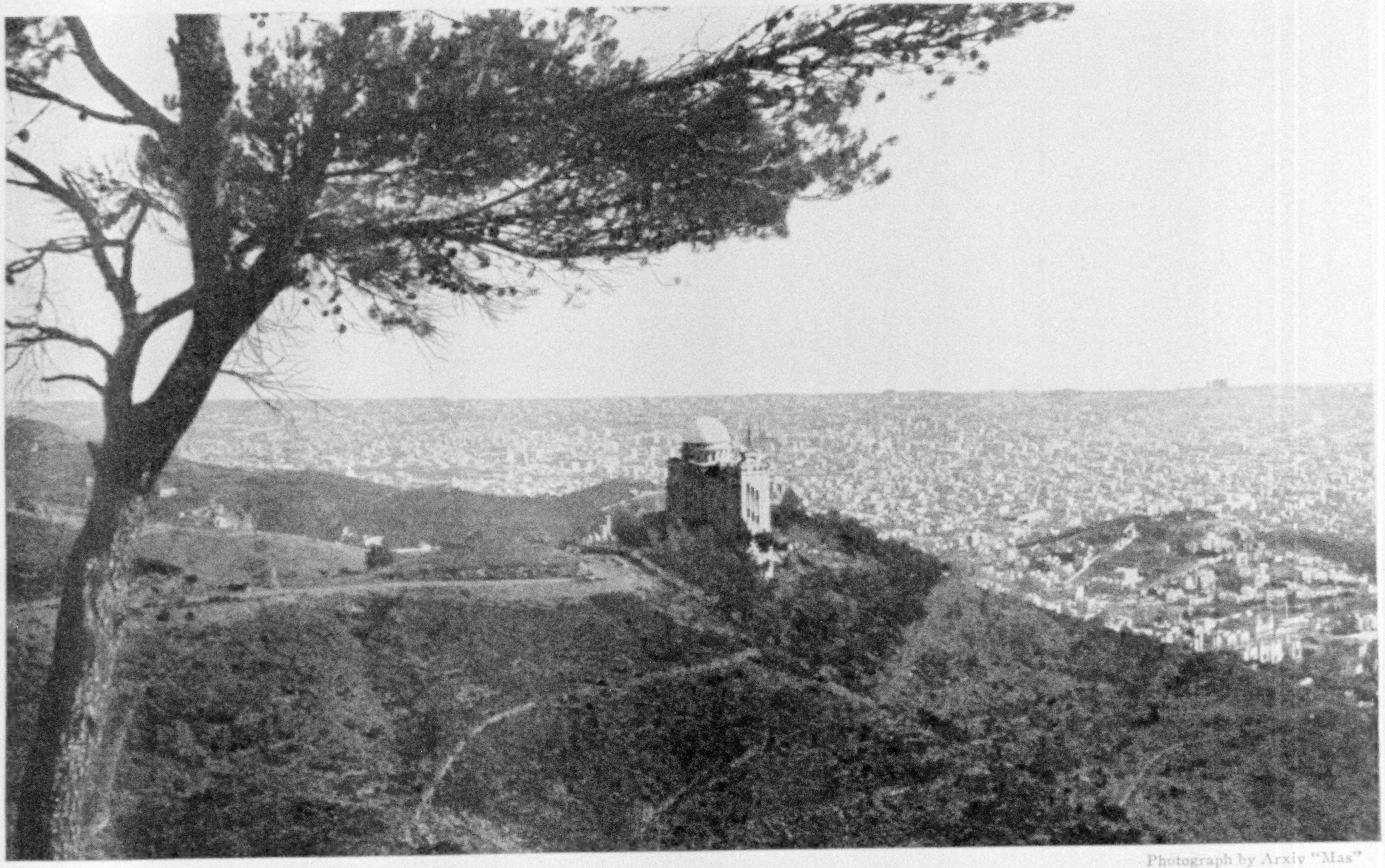
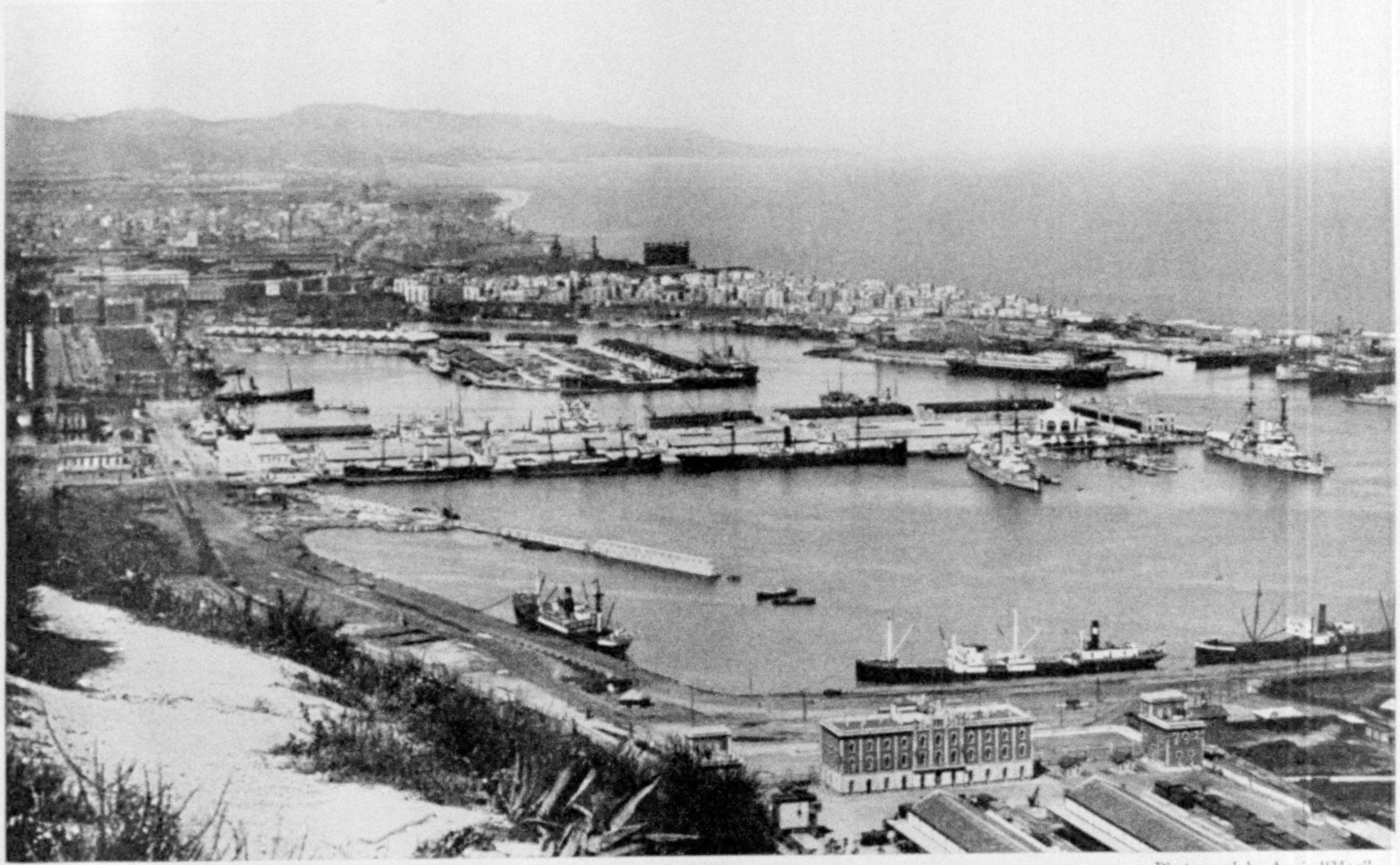
* *Catalonia* in English; *Cataluña* in Castilian; *Catalunya* in Catalán; modification of the ancient *Gothalaunia*.



Photograph by Arxiv "Mas"

A VIEW OF BARCELONA FROM EL TIBIDABO, WHICH RISES TO A HEIGHT OF 2,000 FEET BEHIND THE CITY

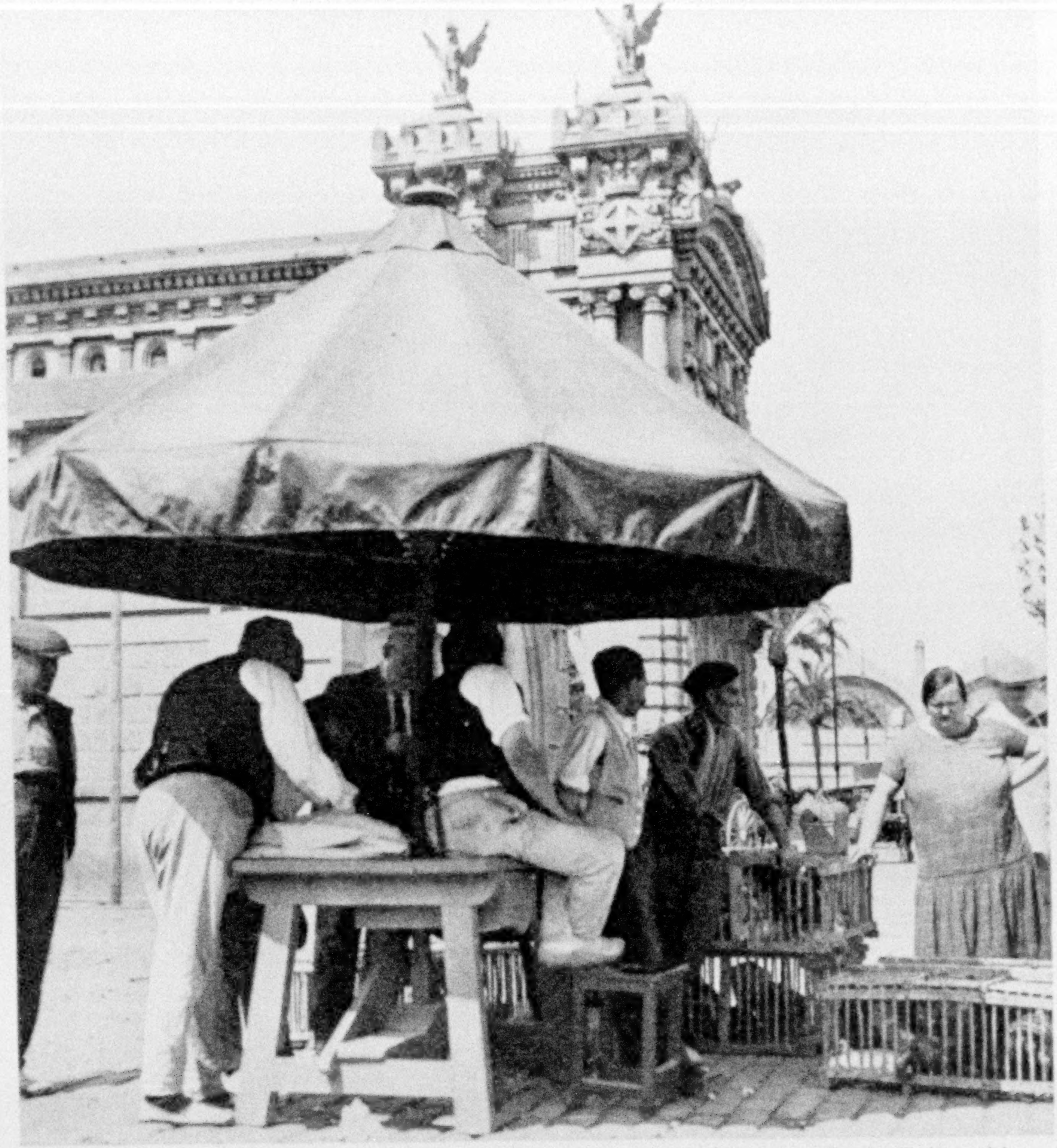
This observation hill, reached by tram and inclined railway, is a favorite holiday resort. The domed building in the foreground is an astronomical observatory. On clear days the distant mountain tops of the Balearic Islands may be seen (see, also, text, pages 377-378).



Photograph by Arxiv "Mas"

SPAIN'S FIRST SEAPORT IS ONE OF THE CHIEF CITIES OF THE MEDITERRANEAN

Although the third largest port on the Mediterranean and the commercial center of Spain, Barcelona has succeeded in demonstrating that dirt and ugliness are not necessary accompaniments of commerce and trade. Blossoms are everywhere and many of its busy streets are lined with trees.



Photograph by Harriet Chalmers Adams

BUSINESS STARTS EARLY ON BARCELONA'S WATER FRONT

In the shadow of the customhouse crates of chickens from Majorca are displayed for sale. They leave the Balearic Islands (which are a Spanish possession) in the evening and arrive at Barcelona early the following morning.

hearts of the people, the beloved old name survives.

"Son of the mountains, singer of the mountains, son of Catalonia, forever Catalán."

Land of hills, forested with cork oak, stone pine, and carob; of fields fragrant with thyme and rosemary; of irrigated valleys with orchards and vineyards and stepping-stones in the shallow streams. Land of a farsighted, hard-working, determined race, whose metropolis now ranks among the great cities of the world—to me among its most interesting, since here the best of modern life is combined with historic associations and quaint regional survivals.

AN INDUSTRIAL CITY WITHOUT A PALL OF SMOKE

No pall of smoke envelops industrial Barcelona. Hydroelectric power, generated in the Pyrenees, breathes life into its suburban factories, which lie upcoast on

Photograph by Franklin Adams

THEIR LIVING COMES FROM THE SEA

At one side of the harbor lies the suburb of Barceloneta, founded to provide a home for the dwellers in the 1,200 houses torn down early in the 18th century to make room for the citadel. Many fisherfolk live there now.

the road to France, downcoast toward Tarragona, and inland back of the coastal range (see illustrations, pages 400 and 401).

This back country, as seen from Tibidabo, is one of warmly tinted villas set in murmuring pine woods, white villages dotting the sunlit plain. In the distance an isolated jagged-topped mountain mass rises abruptly from the valley floor, looking for all the world like a medieval castle. High up among its crags is the famous monastery-shrine of Montserrat.

Turning seaward, we look past brilliant patches of hill-sloped garden to a compact city crossed by wide, tree-bordered avenues. A single hill, like a great rock left stranded on the shore, stands guard over the capacious harbor. Barcelona friends tell me that on exceptionally clear days they have seen from these heights the nearest of the Balearic Isles,* away to the southeast.

"Of late years the Mother City has gathered under her skirts many outlying villages," said a Catalán historian who accompanied me on my first visit to Tibidabo's summit. "The original town was a little walled settlement near the shore, down where you see the Cathedral spires. Some say the Basques founded it, others the Phœnicians. I'm inclined to think that the Carthaginian, Hamilcar Barca, father of Hannibal, was its founder, and that the name 'Barcelona' came from the family name, 'Barcino,' our version of 'Barca.'"

"Then Hannibal must have camped here, with his army and his African elephants, on his way to France and Italy. Where did he cross the Pyrenees?" I asked, as we turned toward the formidable barrier along the northern frontier.

"Through that deep gap in the mountains, the Coll de Portus," said my mentor. "It's the natural portal used by automobilists to-day, on a straight line and about halfway between French Perpignan and Spanish Figueras. Pompey and Cæsar

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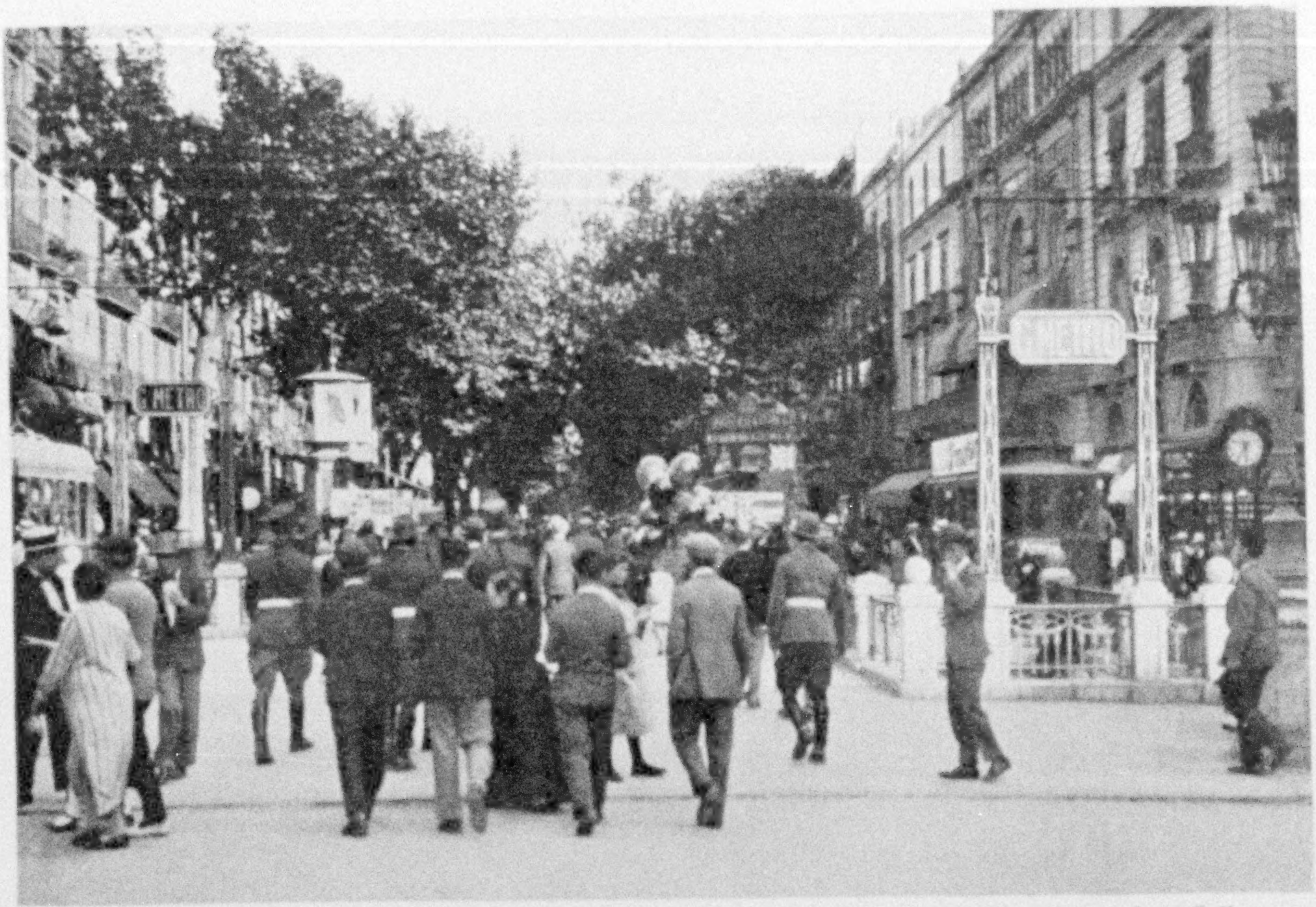
* See "The Balearics, Island Sisters of the Mediterranean," by Roy W. Baker, in the NATIONAL GEOGRAPHIC MAGAZINE for August, 1928.



Photograph by Holmes from Galloway

A STREET THAT IS ALWAYS CROWDED

The Rambla is not only a shopping district, but a general meeting place and promenade.

crossed those mountains with their invading armies, and each erected a monument at the summit."

The railway hugs the coast. This line on the eastern seaboard and another on the Atlantic side were long the only railroads connecting Spain with France; but recently a third central Pyrenean railway was completed, the first rail link between the two countries which actually crosses the mountains.

I asked the meaning of "Tibidabo." From the Latin, I was told, "I will give unto Thee," referring to Satan's offer to the Savior, of the world viewed from the heights.

A funicular railway carries us down Tibidabo's steep incline to the city, where the high lights of geography and history fade as we watch the wheels of the modern commercial world go round.

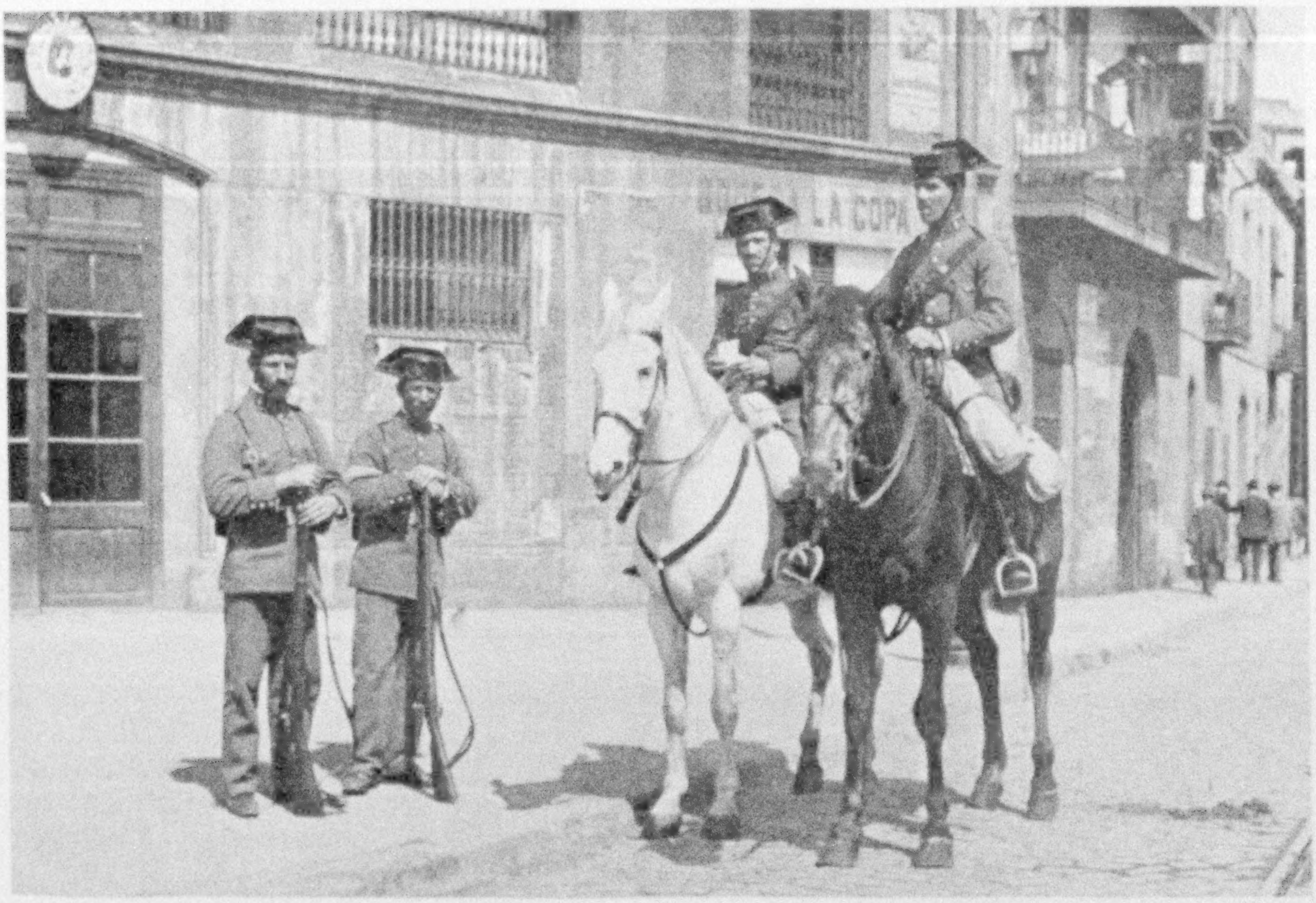
A VISIT TO THE OLD QUARTER

We will go first to the old quarter of the town, near the sea, that part inclosed, in former turbulent days, by massive walls pierced by fortified gates. Some of the streets are as narrow as those in Toledo or Cádiz, with only a thread of sky above the tall, constricted, flat-roofed buildings. Yet some call Barcelona "too modern"!

The one-way street is just wide enough for a single vehicle. As the evening lights shine out, the narrow sidewalks are thronged with shoppers in single file, mostly toilers, with their lunch boxes and clay water jugs, returning home from the factories. The women are dressed in black, their dark, glossy heads uncovered. Many of the men wear long navy-blue smocks, close-fitting blue caps, and rough canvas shoes with esparto-grass soles. Walking sticks are not here a mark of class; the poorest carry them.

The shallow little shops display an astonishing variety of wares, from ornate jewelry to charcoal sold by the basket. It is bewildering, from our viewpoint, to see melons and perfume, cheese and powder puffs, in a single window.

Other types of shops specialize: one in rope and hempen sandals; another in olive-oil soap; a third in altar candles. Women linger before windows where fans of every variety are displayed, or where high Spanish combs, lace mantillas, and



Photograph from Ernest Peterffy

MEMBERS OF THE GUARDIA CIVIL

These romantic-looking gentlemen are standing in front of a police station, ready to start on their rounds. They are State officers, distinct from the municipal police (see illustration, page 380, and text, page 381), and always work in pairs.

embroidered silk shawls are on sale. These last, called "mantones de Manila," reached Spain centuries ago from China by way of the Philippines. Like the combs and mantillas, they are now manufactured in Spain.

We enter a dingy antique shop in search of massive carved wooden chests, old majolica, copper pots, and Aragonese peasant jewelry.

THE HORSE HAS PLAYED A BIG RÔLE IN SPANISH HISTORY

The barber shop next door carries over its entrance, as a trade sign, a copper basin, crescent-shaped to fit the neck.

Our one-way street is blocked by a high country cart laden with wine in pigskins. It has stopped in front of a cavernlike *bodega* (wine cellar, or warehouse) filled with huge casks.

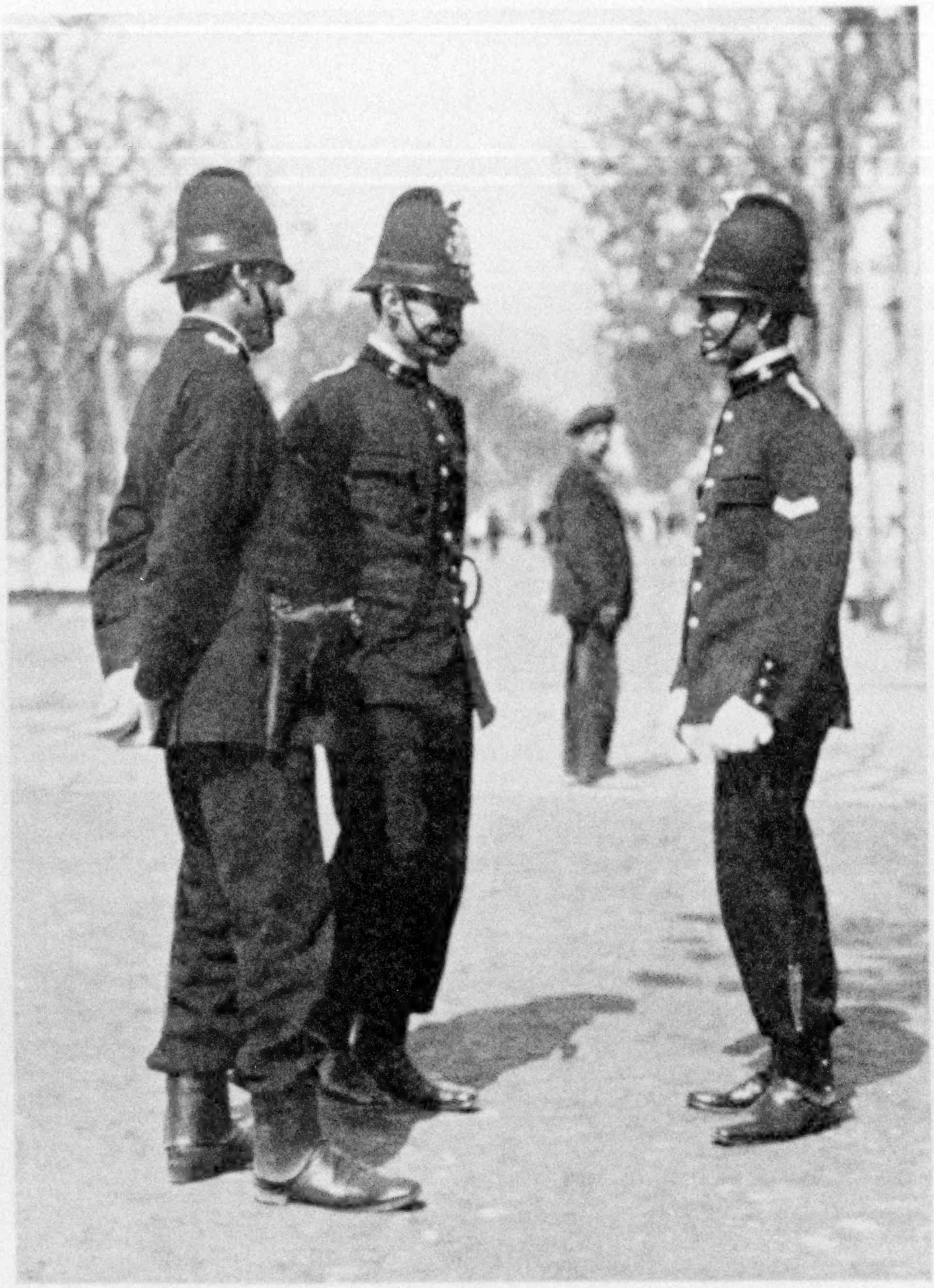
At the corner the name of the street appears in two languages—Castilian and Catalán. For those who cannot read either language there is a picture of a man driving a cart, indicating the direction and the type of traffic permitted.

A big cart passes drawn by three horses tandem, wearing straw bonnets as a protection from the sun. Beside the cart trots a greyhound, a variety of canine frequently seen in eastern Spain.

Here comes a smart little *tartana*, typical of the Catalonian countryside—a two-wheeled, canvas-hooded vehicle entered from the back, with seats running lengthwise, drawn by a stocky little horse who feels his importance, for he wears a necklace of bells.

The horse has played an important rôle in Spanish history. His likeness appears on the earliest Iberian coins unearthed in the valley of the Ebro. What would the brilliant pageantry of the Middle Ages have been without him?

In a diminutive plaza, flanked by ancient gray walls, three wrinkled old women and a Madonna-faced little girl are filling classic terra-cotta water jugs at the blue-and-white tiled fountain. Big-hatted, flowing-robed priests flit across the plaza.



Photograph from Ernest Peterffy

MEMBERS OF THE MUNICIPAL POLICE OF BARCELONA

There is not a 20th century touch in the picture. It is Old Spain.

A VIOLENT CONTRAST IN THE NEW QUARTER

Only a few squares away, in this city of marked contrasts, we find the new quarter, known locally as "El Ensanche" (the Enlargement), with its magnificent modern boulevards. Few avenues in Europe can rival the Paseo de Gracia and its mates.

Gracia, thronged with modishly dressed people, afoot and in smart limousines, is divided in width into five sections. In the center is the wide paved motor and carriage road. On either side, shaded by double rows of spreading plane trees, brought to Spain from eastern Europe by the Romans, are the walks for pedestrians, streets in themselves, flanked at intervals by stone benches. Beyond these, next to the sidewalks, are the one-way streets for electric trams and heavy vehicles.

Five- to seven-story buildings, with narrow balconies and corner towers, face this magnificent avenue. Owing to high ceilings, a five-story building in Barcelona compares with an eight-story building in New York. On Lower Gracia are the smartest shops and apartment houses; farther out toward the hills the most palatial homes.

Dignified Catalán-Gothic, with its lack of elaborate ornamentation and pure beauty of outline, is to be seen in the city's historic buildings; but on the modern avenues we find a very different type of architecture—most ornate, all curves and protuberances. Façades, balconies, statues, and park benches follow this new style. In house and garden bright-hued tiles are much employed (see pages 390 and 391).

The modern Temple of the Sagrada Familia (Holy Family), now in course of construction, is most extravagant in form. There is nothing like it in Europe. "Not one straight line in the entire edifice," is the boast of the *Barceloneses*. In this florid reproduction in stone of nearly every form of life, the originality, exuberance of spirit, and prosperity of the Catalán finds expression (see pages 394 and 395).

There is a marked difference of opinion among foreigners regarding this peak of modern Catalonian architecture. Some are enthusiastic; others disapprove.

"What was your first impression of the Sagrada Familia?" I asked a noted American architect who sings the praises of most things Spanish.

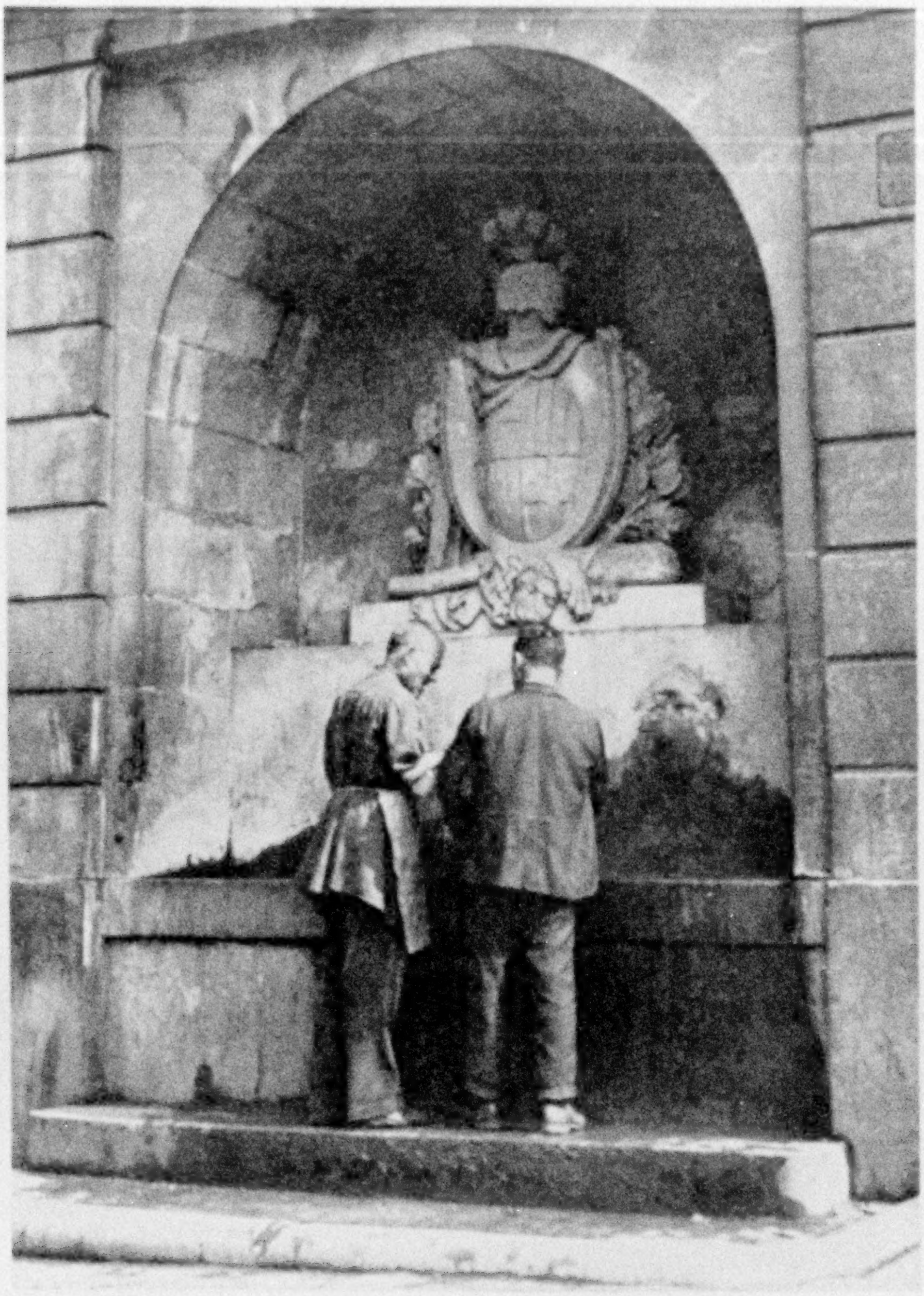
"I was like the farmer," the architect told me, "who attended his first circus and saw his first giraffe. He shook his head sadly and said, 'There *ain't* no such animal.'"

I was assured, however, that from this architectural jungle a mighty edifice would evolve.

ROUNDED STREET CORNERS IN THE NEW QUARTER

An admirable feature of this modern architecture is the shape of the corner buildings, which end in curves and obtuse angles instead of right angles. The sidewalks also curve at the end of each block.

Where a cross-street meets the Paseo de Gracia, an imposing mounted policeman, called "Guard of the Security," is posted, his Arab steed standing like a statue while automobiles speed by. The courteous traffic "cop" on foot wears a red coat, black trousers with red stripes, and a black helmet with a red band (see pages 379 and 380).



Photograph by Harriet Chalmers Adams

AN OLD FOUNTAIN JUST OFF THE RAMBLA

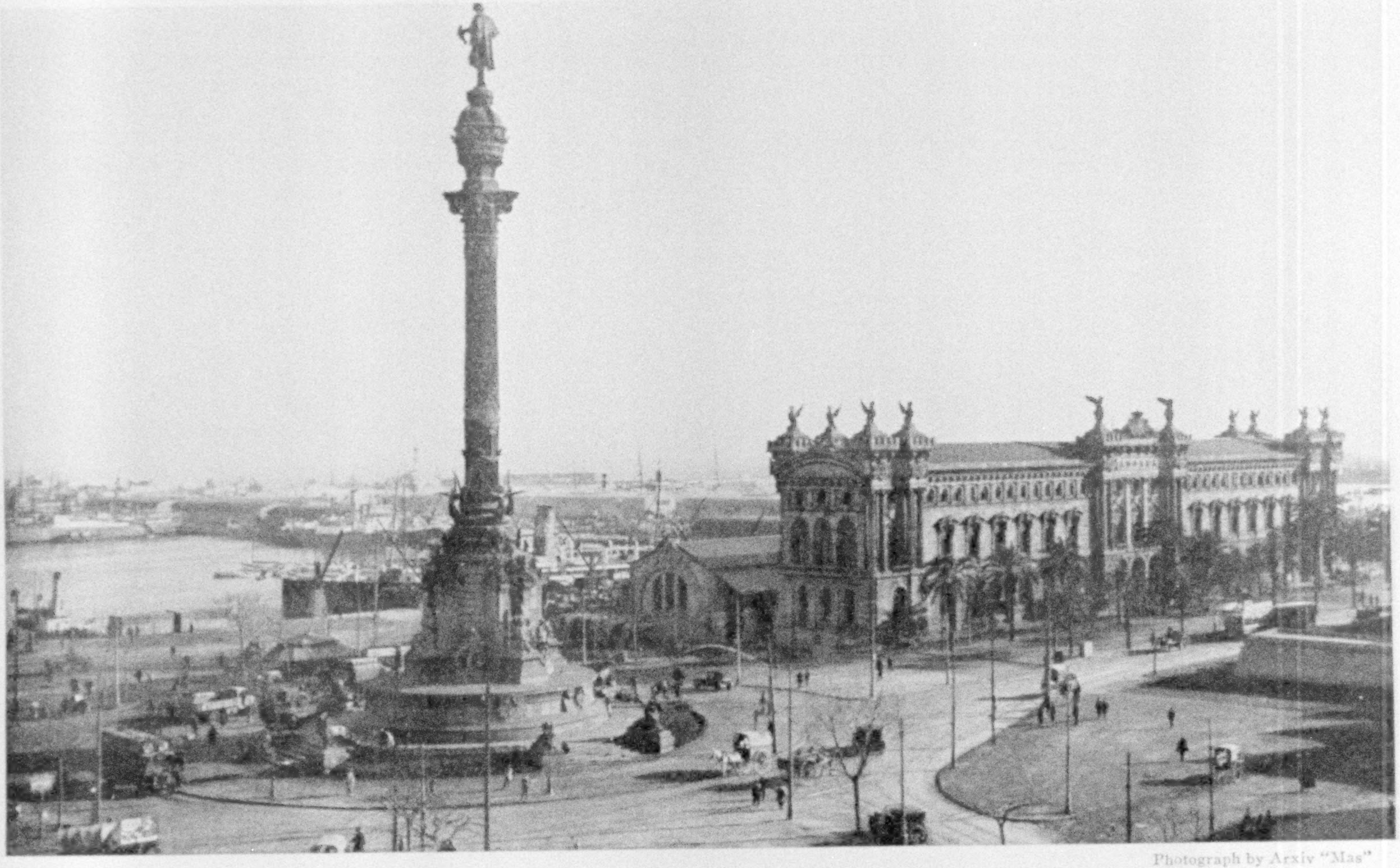
Despite the progressiveness and modernity of Barcelona, one frequently encounters things which are reminiscent of the romantic days of the kings of Aragón.

Gracia sweeps down from the hills to meet the Plaza de Cataluña, which I first knew as a big, friendly, open place, where market people gathered and where, every Sunday morning, country folk held hands in a circle and danced the ancient *sardana*, introduced centuries ago by the Greeks (see text, page 394). Now it has "grown up" into an impressive square, with fountains, statues, and flower beds. Subway stations mark its corners; tram lines and the long, red motor busses, with their yellow advertising signs, encircle it, and here automobiles and taxicabs park. It is here I can still find the old-fashioned, rubber-tired, horse-drawn victoria which lures me to the cities of Spain.

But it is not the Plaza de Cataluña which is the throbbing heart of the city. That rôle is played by the famous Rambla, stretching from this main plaza to the water front, called locally Las Ramblas, in the plural, because it bears five different names on its triumphant march to the sea.

THE FAMOUS RAMBLA IS THE HEART OF BARCELONA

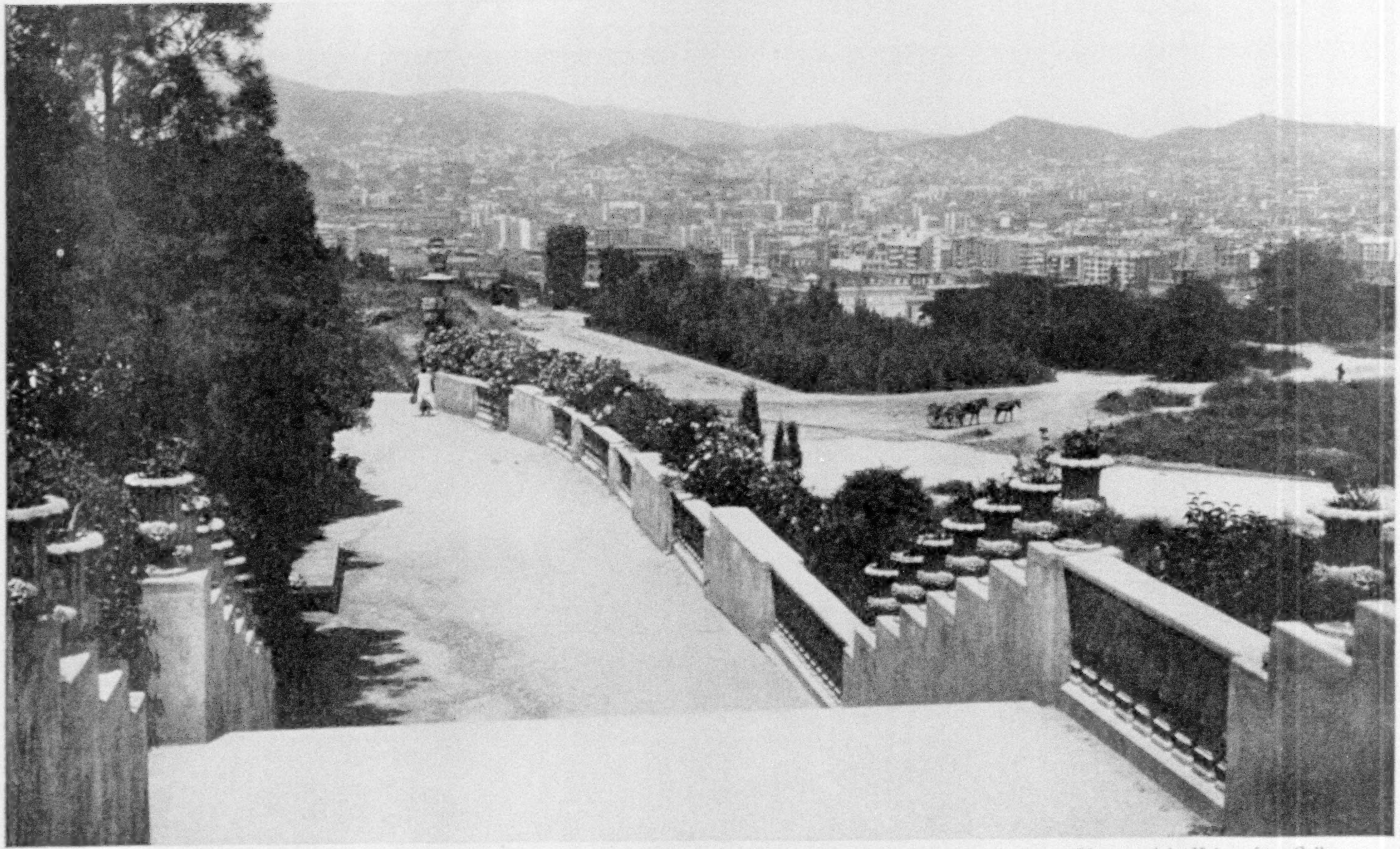
It is on the site of the ancient city wall and is in reality a wide shaded walk rather



Photograph by Arxiv "Mas"

THE LOFTY COLUMBUS STATUE OVERLOOKS THE HARBOR OF BARCELONA (SEE TEXT, PAGE 391)

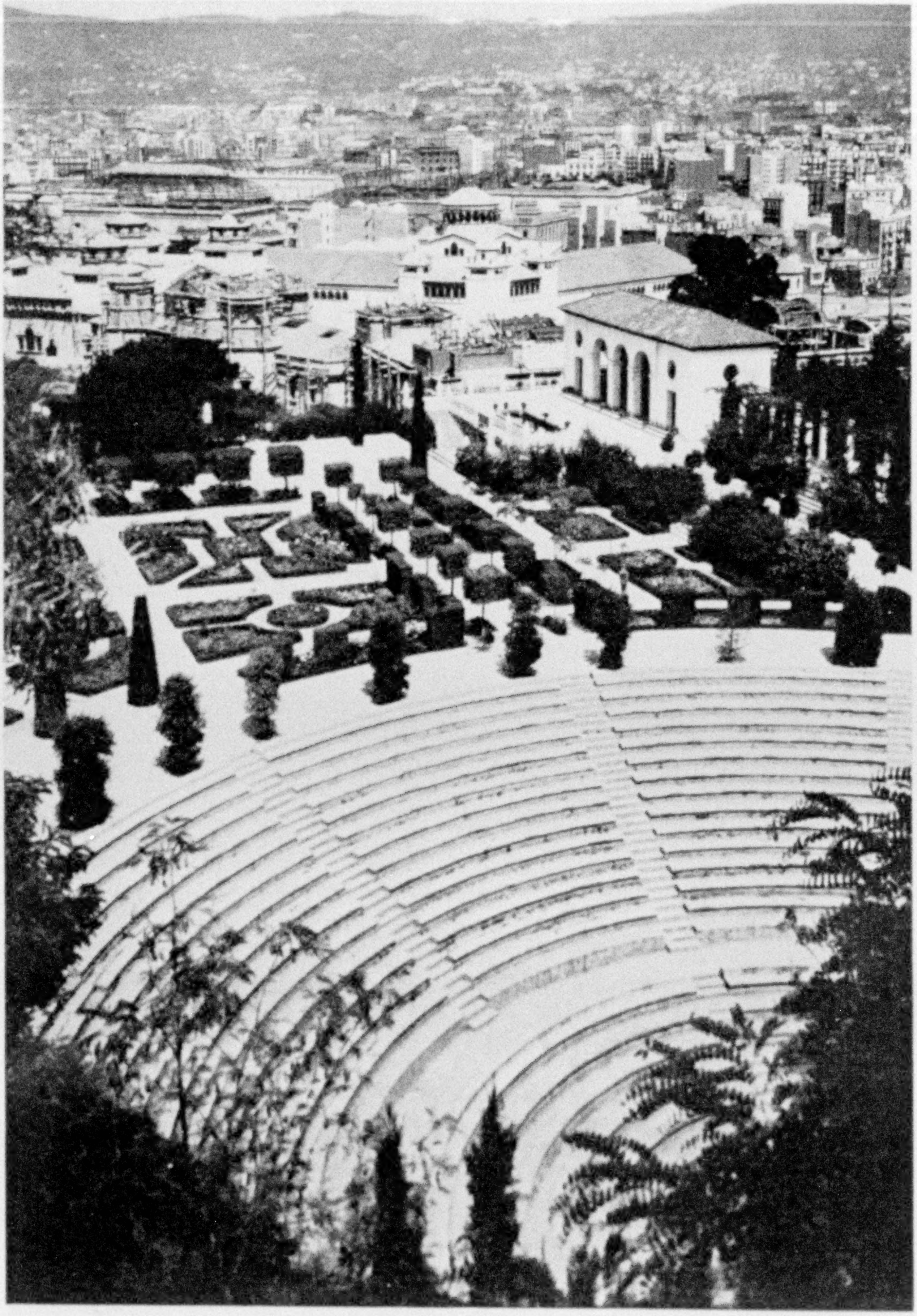
The monument, erected in 1882-88, is 200 feet high. The lower part is surrounded by eight bronze lions and adorned with bronze reliefs of scenes from the life of the great explorer, medallions of his patrons, and allegorical figures of Catalonia, Aragón, León, and Castile. An iron column rises from this base and supports a large gilded ball, on which stands a 26-foot bronze statue of the Admiral. Inside the shaft an elevator ascends to the ball. At the right is the customhouse.



Photograph by Holmes from Galloway

THE SLOPES OF MONTJUICH PROVIDE A RECREATION GROUND FOR THE PEOPLE OF THE CITY

The "Jews' Mount," as its name is usually taken to mean, is an isolated mound which rises 575 feet above the plain. Its summit, crowned by a fortress capable of accommodating nearly 10,000 men, provides an extensive view of Barcelona. On its slopes is a beautifully landscaped and much-frequented park.



Photograph by Holmes from Galloway

MONTJUICH HAS BEEN THE SCENE OF NUMEROUS EXPOSITIONS

Energetic Barcelona has sponsored expositions for half a century and is promoting another this year. A large area in Montjuich Park (see, also, page 402) encompasses a number of buildings where many nations, including the United States, will have displays. Some of the buildings are permanent ones and palatial. The stadium in the foreground is a part of the park's exposition equipment. A new stadium, to seat 60,000 persons, is nearing completion.

than a boulevard, with narrow one-way traffic streets on either side—a walk joyously alive by day and by night.

Barcelona is the pedestrian's paradise, Las Ramblas his open-air salon. Facing it are theaters, shops, clubs, restaurants, and sidewalk cafés. Its sylvan canopy shelters refreshment booths, newsstands, and comfortable chairs, which can be rented for a few centavos.

One fascinating section is occupied by the racks of the flower sellers, gay with roses, carnations, gladioli, camellias, and violets (see Color Plate XVII); another by the bird market, where, under blue and white striped awnings, wise, gray African parrots, noisy songsters, and silent, gorgeous-plumed birds of the Tropics await their future owners (see page 396).

To this informal market come the sellers of country honey that varies in color, taste, and name with the season—honey gleaned from field flowers, almond and orange blossoms; from the aromatic heather of the Catalonian hills, where I have seen, as far as the eye can reach, stretches of purple heath and the white bloom of cistus, so like the wild rose.

"Buy a lottery ticket! The lucky number!" chants a tall, black-eyed girl, who also offers for sale tuberoses on stalks four feet high.

Here come street musicians; an artist offering small paintings for three pesetas each; a man selling flower seeds; a woman with a basket full of attractive handmade lace. There are few children among the venders. Bootblacks and sellers of newspapers are more often men. We award a prize for diligence to the fat little pony who drags a small watering cart up and down the broad walk to lay the dust.

The most distinctive of the Rambla types is the *mozo de cuerda* (servant with a cord), the local "red cap," with a coil of rope over one shoulder. He wears that most ancient of headgear, the scarlet Phrygian cap, now known as the *barretina*. This same bag-shaped cloth cap is to be seen in the Pyrenees; around Tarragona, where it is purple instead of red; throughout central Portugal, where it is black. On the Rambla it is worn at a rakish tilt, with several folds over the forehead (see page 397).

A game of dominoes is in progress in one of the sidewalk cafés. This rattle of the ivory and ebony counters on the marble-topped table is a familiar sound in Spain.

Three gypsies, just arrived from Hungary, pass. They are tall, swarthy, bearded men, quite unlike the usual Spanish variety. The Romany tongue, spoken in Spain a century ago, has now been absorbed by the Castilian.

An old man, who says he is from the mountains of Navarre, over to the west, leads a trained black bear across the Rambla. There is a certain valley in the Pyrenees where the natives formerly made a specialty of training dancing bears, one of these animals being the usual dowry of a bride; but the bruins are getting scarce.

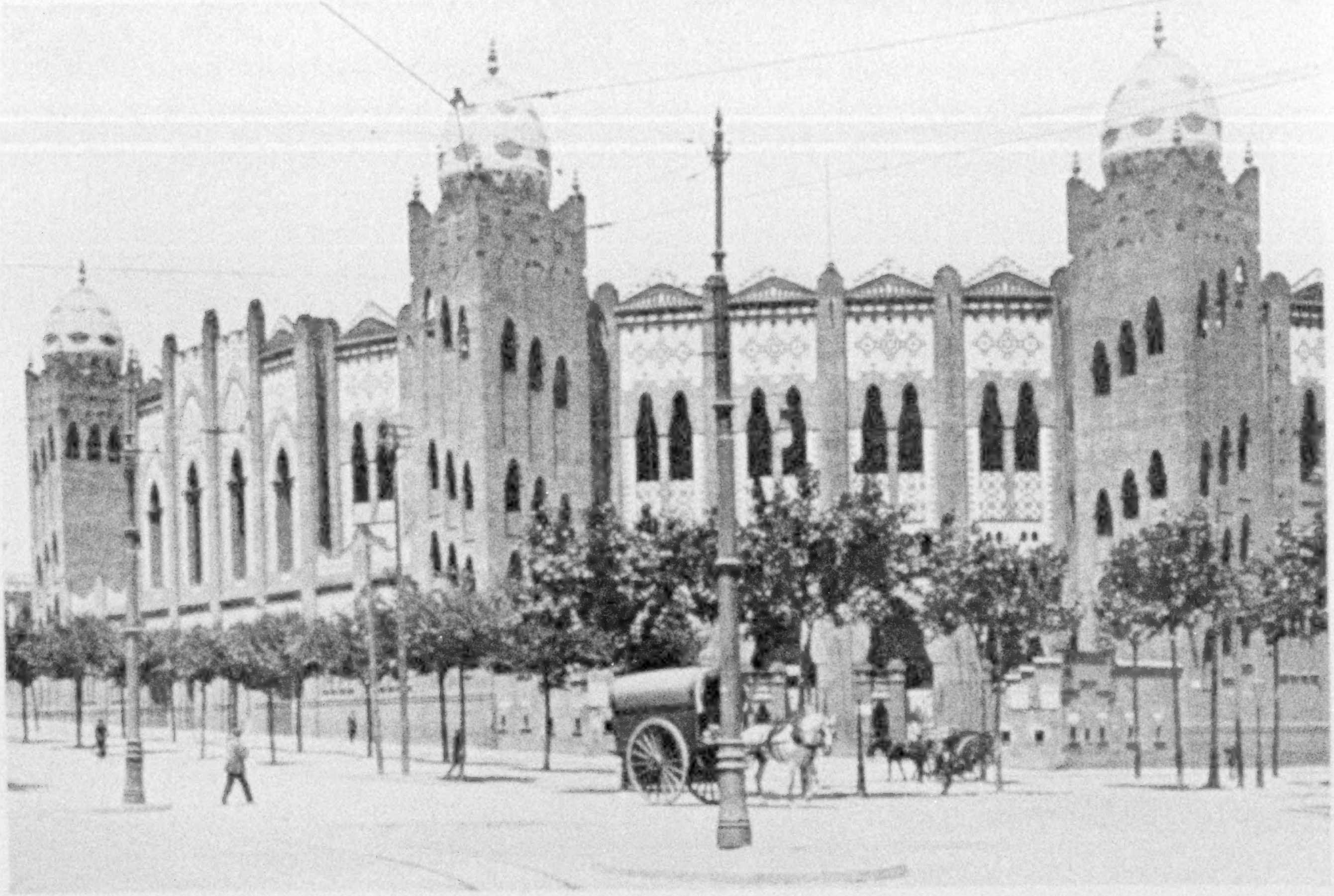
AMONG THE PRODUCE STALLS

Entering one of the many big markets, we note the excellent quality of the produce and its amazing quantity, all "made in Spain." There are crates of chickens from Majorca, cheese and eggs from Gerona, the ever-present sausage from Lérida. The cauliflower is purple-topped and the artichokes and tomatoes small in size.

In the surrounding country sheep and goats are raised; cereals, principally wheat, and sugar beets are grown. The almond, filbert, and olive crops are important. Spain is the chief olive-producing country of the world. One of the minor exports is licorice paste, used in America in the preparation of chewing tobacco.

In the overflowing fish market are lobsters from the Balearic Island of Iviza and eels from the mouth of the River Ebro, whose fame was borne eastward by the first Ionian craft to reach these shores. Rice and eels, to which mussels and slices of the edible octopi have been added, is a favorite dish; so is fish soup.

With the exception of muscatel grapes from transplanted Almeria vines, Catalonian fruit is disappointing; but Barcelona food on the whole is excellent. In the United States there is an erroneous impression that all Spanish food reeks of garlic and fried oil. This does not apply to the food of the upper classes. Meat is lightly rubbed with garlic before being cooked. A famous French chef once told me that it was the Spaniards who taught



Photograph by Holmes from Galloway

PEOPLE OF ALL CLASSES FIND AMUSEMENT HERE

In Barcelona there are three bull rings, one of which, the largest in Spain, accommodates 25,000. The price of tickets depends on the reputation of the fighters, the breed of the bulls, and the time of year and week.

his countrymen to stuff turkeys with chestnuts and to serve orange salad with wild duck.

TEMPTING SWEETS AND NUTS

Few sweets are quite as delicious as those of Spain, especially the honey and almond paste (*turrón*), which appears around October from the southeast province of Alicante. Past the pastry shops, with their cream cakes covered with grated nuts and their wild strawberry tarts, it is well for those of increasing girth to walk with downcast eyes.

Almonds, roasted a deep brown, like coffee beans, are served in their crisp jackets, which come off as easily as peanut skins. Chocolate, served hot, thick and sweet, in very small cups, is a favorite winter beverage. If you like milk in your chocolate, ask for it "French style." A favorite all-season drink is cool, creamy *horchata de chufas,* in tall glasses, made from the roots of a rushlike plant growing around Valencia. It is said to be excellent for nursing mothers. Another drink of this type is made from powdered almonds.

Although breakfast throughout Spain consists only of coffee or chocolate, with bread, Catalans who can afford it are inclined to overeat, consuming six and seven substantial courses both at the noon and the evening meal. With luncheon at 1 and dinner at 9 or 10, afternoon tea seems to them a necessity. The frugal country peasants eat sparingly and retain their health longer.

Apéritifs before, coffee and cognac after meals, with a glass of beer in between, are "time-killers" in the cafés; but Spaniards drink temperately. During years of Iberian travel, I cannot recall having met a drunkard.

Evening performances at theaters and motion-picture houses begin at 10. American films are the most popular, with Italian in second place. During the winter season I have heard grand opera sung by Spanish, French, German, Italian, and Russian companies and seen performances of light opera and drama in Spanish and

Photograph by Capt. Collingwood Ingram

BULLFIGHTING IS STILL THE MOST POPULAR SPORT OF SPAIN

By a royal decree, horses are henceforth to wear armor to protect them from being gored (see text, page 394); so that in future it will be unlikely that a single bull can kill three mounts, as has the one shown above.

Catalán. In theaters men often keep their hats on until the play begins. It is their custom between acts to walk to the front of the house, raise their opera glasses, and scan the audience. There is a good deal of personal liberty. A lady may keep her hat on in a theater if she chooses. Bobbed hair and short skirts are in evidence.

At 2 in the morning the Rambla is very gay. Those returning home from after-theater supper meet country carts coming to market. At no hour are the downtown streets deserted. There are few electric street signs as compared with our large cities. Advertisements are usually regulated in size and artistically framed.

Cities, like individuals, have their personalities. Barcelona is versatile, sometimes sober, more often gay. Its tremendous vitality reflects the Catalán's power of concentration on work and on play.

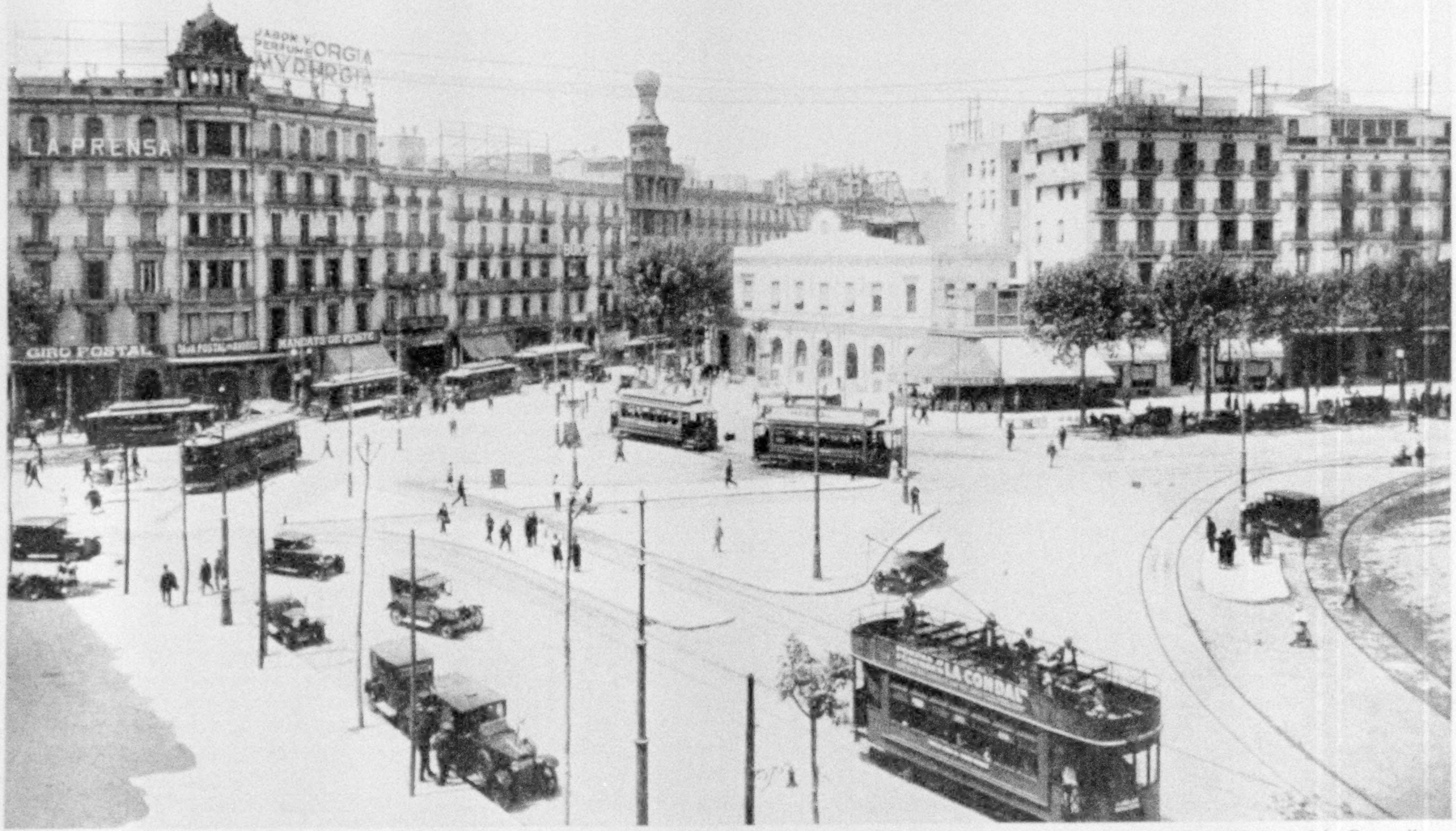
CATALÁN IS THE LANGUAGE OF THE MASSES

The language of the Rambla is 70 per cent Catalán. Castilian is the tongue of officialdom, church, school, and national trade; but Catalán is the home tongue of the masses, of their hours of recreation at bull ring, pelota court, and football field.

In its varying dialects, this Romance language is spoken from the old Province of Roussillon, in southeastern France, which, until the signing of the Treaty of the Pyrenees, in 1659, was part of Catalonia; through the semi-independent State of Andorra; down the coast of the Spanish Levant into the ancient Kingdom of Valencia; on the Balearic Islands; and even as far afield as Alghero, in Italian Sardinia, where there was once a Catalán colony.

"It's just a pose with these people, speaking that harsh tongue," the Castilians tell you. "Save in old Provençal literature, their language had nearly died out when the agitation, some years ago, over the separatist movement revived it. Now they speak it just to annoy us."

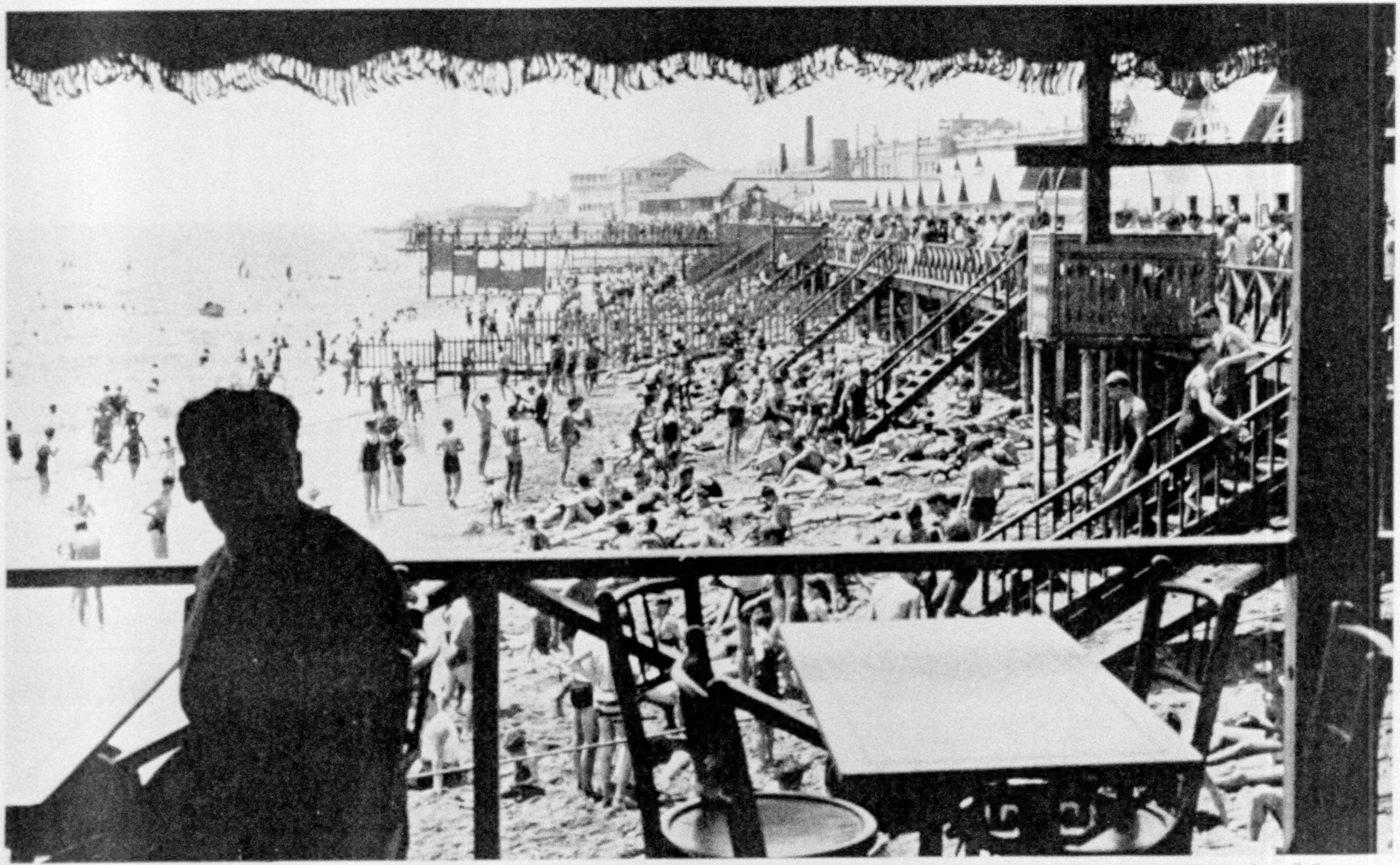
But the Catalans tell another story—of two dailies and various weeklies published in the regional tongue—and point to the


LA PRENSA
GIRO POSTAL
JABON Y PERFUME ORGIA
MYRURGIA
LA CONDAL

Photograph by Branguli

THE HEART OF THE CITY, WHERE THE RAMBLA AND PLAZA DE CATALUÑA MEET

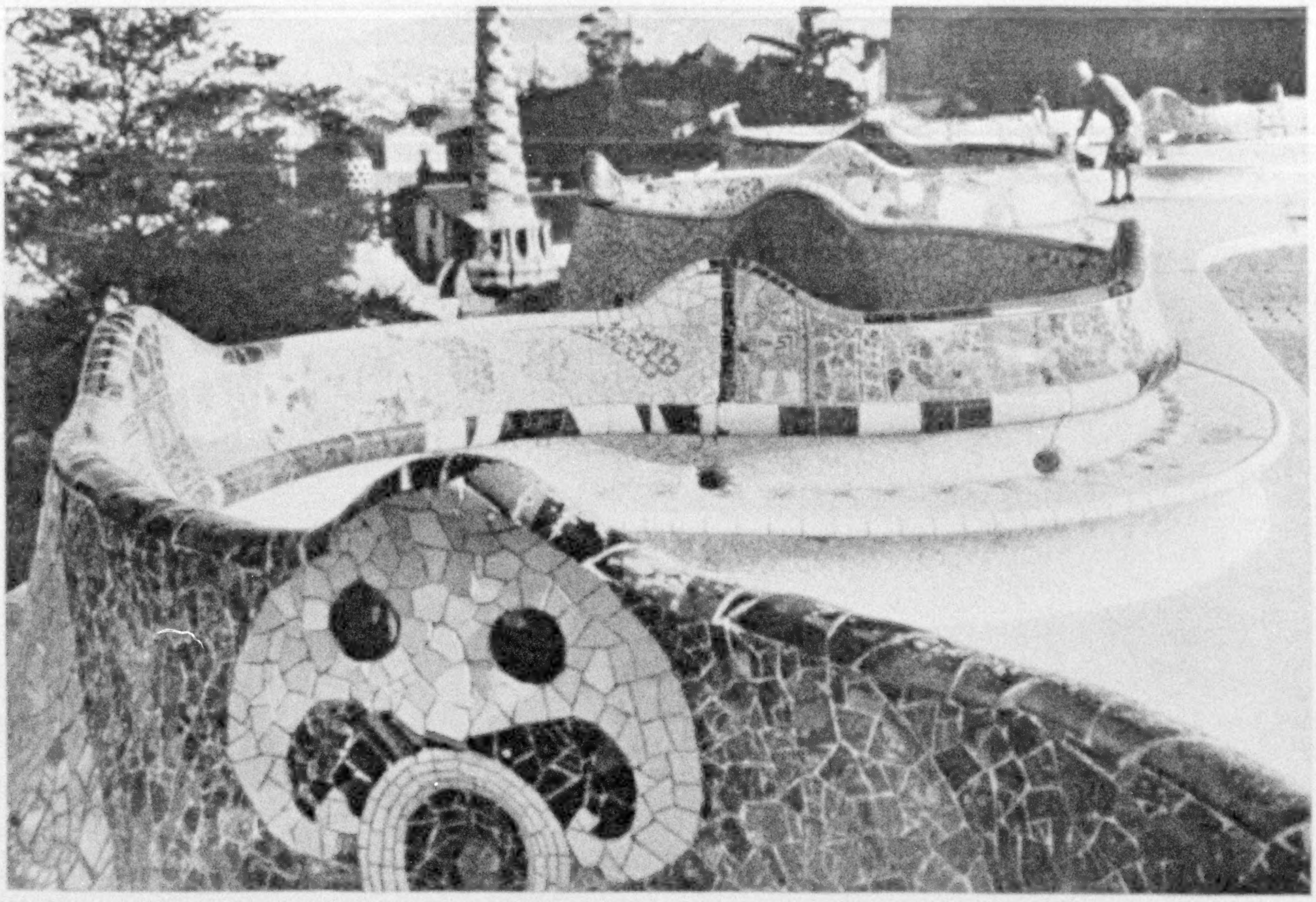
Fine shops, great hotels, and modern buildings of the most advanced design literally "rub elbows" with centuries-old relics. Many of the city's broad boulevards are flanked by narrow, meandering byways that breathe the life of the past (see, also, text, page 381).



Photograph by Holmes from Galloway

THOUSANDS OF CITY DWELLERS HEED THE CALL OF MEDITERRANEAN WATERS

The seaside on the peninsula beyond Barceloneta is a popular resort for city workers. Men and women bathe at separate places along the shore, and in consequence a greater freedom of costume is permitted than would be possible on the "mixed" beaches.



Photograph by Holmes from Galloway

MOSAIC TILE BENCHES OF PICTURESQUE COLOR AND DESIGN IN PARQUE GÜELL, A COLONY BUILT ENTIRELY IN THE MODERNISTIC CATALÁN STYLE

bookstore windows filled with modern works in Catalán.

The first book to be printed in Spain, called "The Barcelona Book," came from a Valencian press, but by 1478 books began to be printed in Barcelona. To-day the foremost publishing houses in Spain are here. On my last visit the most popular book in literary circles was one entitled "Catalán Expeditions to the Orient in the Thirteenth Century," a live subject with this race of mariners, who once boasted that so Catalán was the western Mediterranean no fish could swim these waters without bearing on its body the heraldic bars of the Kingdom of Aragón.

There is a tradition that the four diagonal red bars on a yellow field originated in this fashion: A Catalán warrior, fatally wounded, dipped his four fingers into his own blood, drew them across a yellow scarf, and offered it to his compatriots.

BARCELONA'S UNIVERSITY ADMITS WOMEN ON EQUALITY WITH MEN

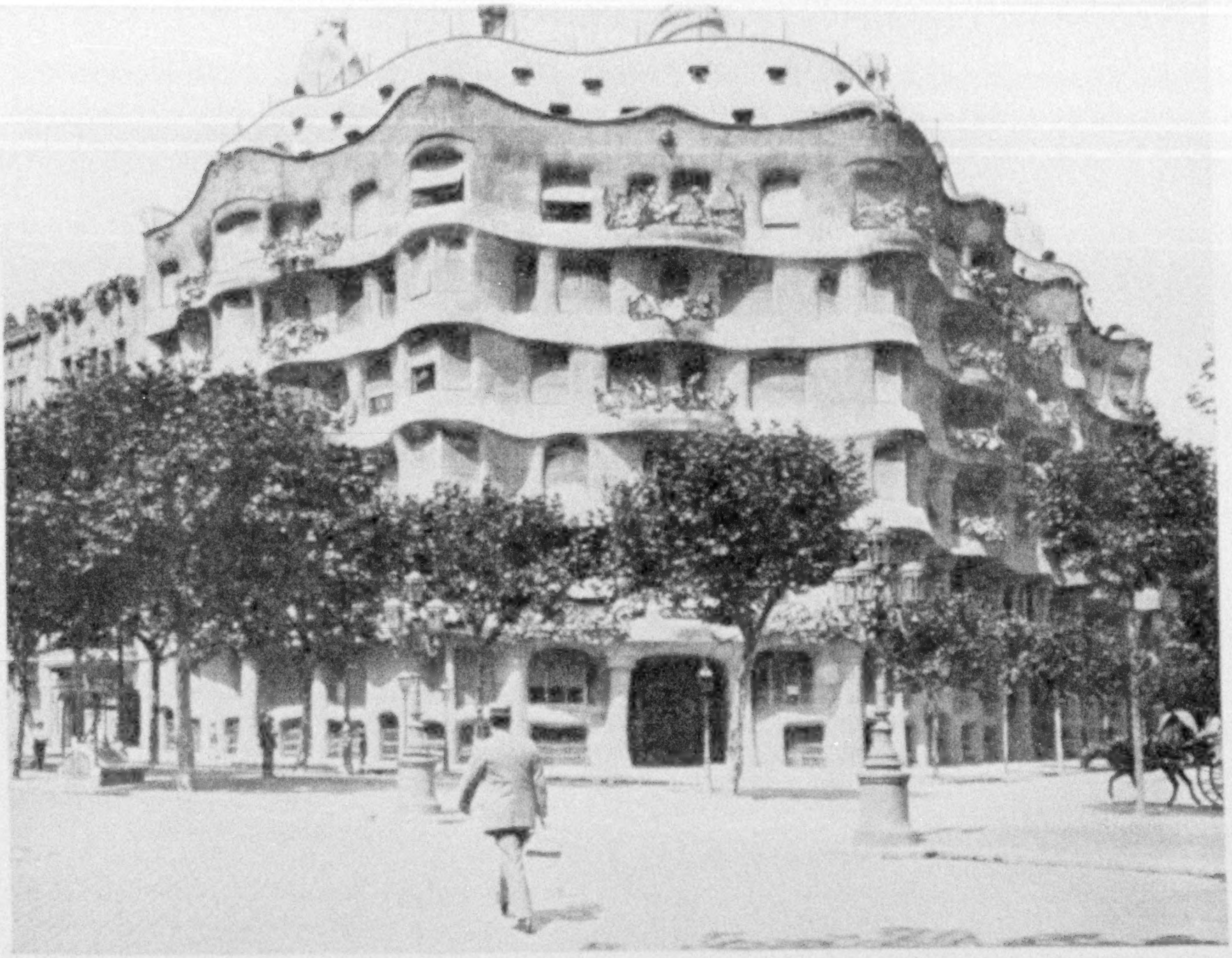
With the possible exception of Madrid, education is further advanced here than in any other part of the country. In the University, which dates from the 15th century, women are admitted on the same plane as men. Literature, science, art, music, and drama are fostered by the municipality. Splendid art galleries and archeological museums have been developed in recent years. The museums are rich in the remains of Greek and Roman art, which once flourished on this coast, and in church paintings and sculpture of the Middle Ages.

They have reason to be proud of their beautiful, progressive city, these pleasant-faced, robust men and women, with their fresh color and big, clear eyes. There are blue and gray eyes here as well as brown. The men, on the whole, are finer looking than the women, especially in youth.

Marshal Joffre is a Catalán from the French side of the Pyrenees. During the World War, Catalonia was strongly in favor of the Allies and sent volunteers to fight for their cause.

Barcelona has become not only the chief port of Spain, but one of the most important on the Mediterranean.

Out of this great harbor Spanish, French, Italian, and American ships sail



Photograph from Harriet Chalmers Adams

WAVING LINES ARE A FEATURE OF MODERN ARCHITECTURE IN BARCELONA

directly for New World ports, from New York to Buenos Aires. To the United States they bring such varied products as cork, olive oil, hides, skins, paper-base stocks, artificial pearls, and antiques. Among the things we send back are raw cotton, mineral oils, automobiles, machinery, lumber and staves, refined copper, leather, and leaf tobacco. The United States is the chief exporter to Spain. About one-third of the country's entire imports comes into Barcelona harbor.

"Why," ask my Barcelona friends, "should we travel? Here we have everything, including a perfect climate."

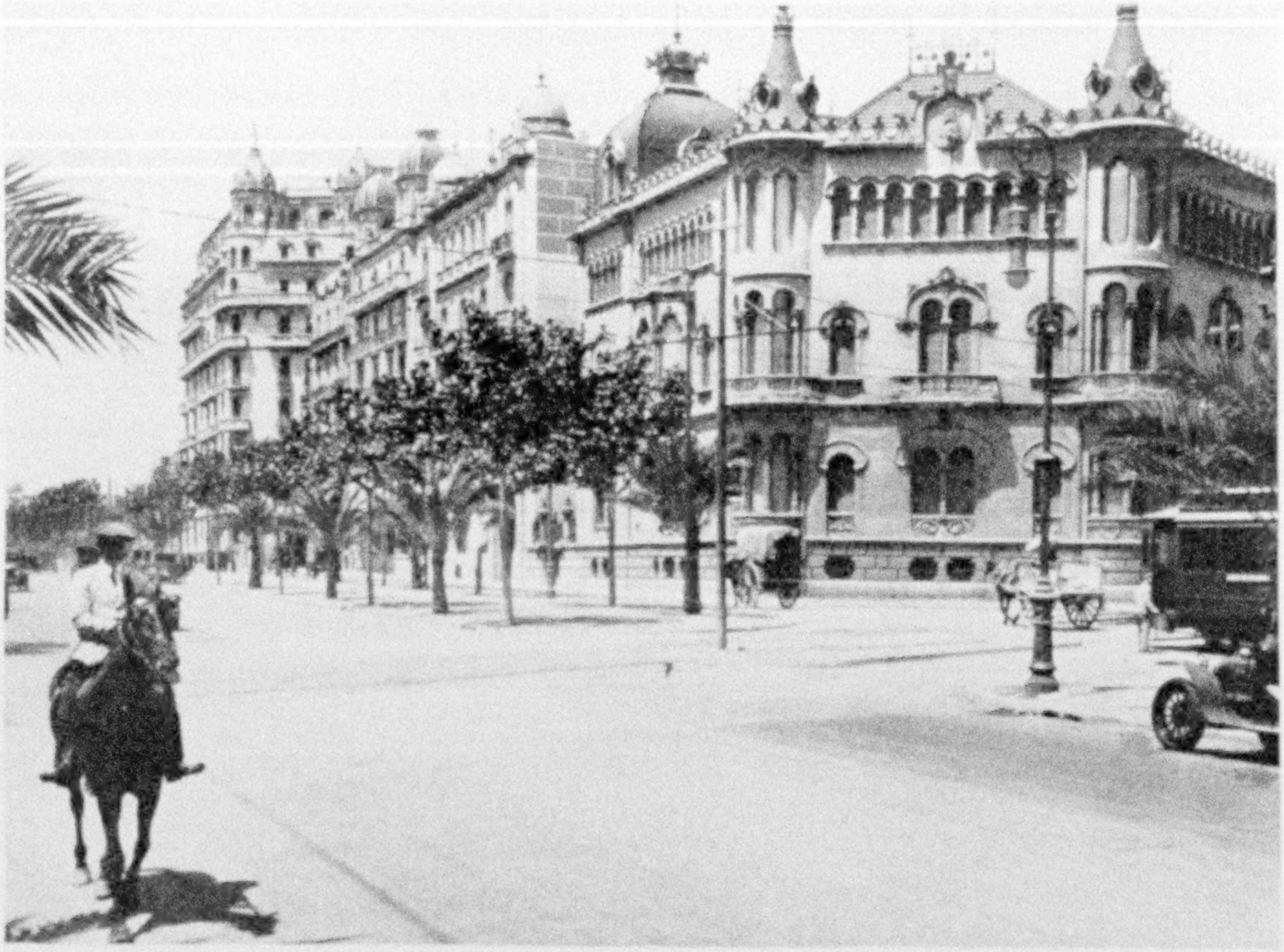
I have not yet "checked up" on Barcelona's boasted "3,000 yearly hours of sunshine," but that the climate of the Spanish Riviera is mild and equable is certain, the mountains on the north shutting off cold winter winds.

DISCOVERY OF NEW WORLD BROUGHT RUIN TO THE CATALANS

Near the Gate of Peace is an imposing monument to the memory of Christopher Columbus (see page 382). The Great Admiral stands high on his pedestal, looking out to sea. It was to Barcelona he came, overland from Palos, on the return from his first voyage to the New World, since Ferdinand and Isabella were at that time holding court in the Catalonian metropolis.

We look in vain in Barcelona's archives for the name of "Cristóbal Colón," a sorry reminder of the bitterness that long existed, for his gift of "the Indies" spelled ruin to the great Catalán city of that day. Isabella of Castile had her way, and her law, favoring her own realm, decreed that no Catalán should sail to the new-found lands or share in the growing trade. Castilians and Andalusians flocked to the Americas. Cádiz and Seville became the chief Spanish ports. It is only in later, more tolerant, years that Barcelona has recorded the visit of Columbus.

It was in the royal chapel of Santa Águeda, now used as an archeological museum, that Columbus attended mass with their Catholic Majesties and young Prince John, who did not live to rule. In the



Photograph by Holmes from Galloway

THE VÍA DIAGONAL INTERSECTS THE NEW TOWN FROM SOUTHEAST TO NORTHWEST

The people of Barcelona have many reasons to be proud of their city. Its broad, tree-studded boulevards compare favorably with any others in Europe and it is ever alert to adopt improvements. In the newer sections of the city the right-angled street-corner buildings have been abolished (see text, page 381).

glorious 13th century Cathedral, which stands on the site of a pagan temple, the red men whom Columbus brought from America and erroneously called "Indians" received Christian baptism (see p. 393).

In spite of the long embargo, Catalans later figured in New World history, among them Father Junipero Serra, who founded the Franciscan missions in California.

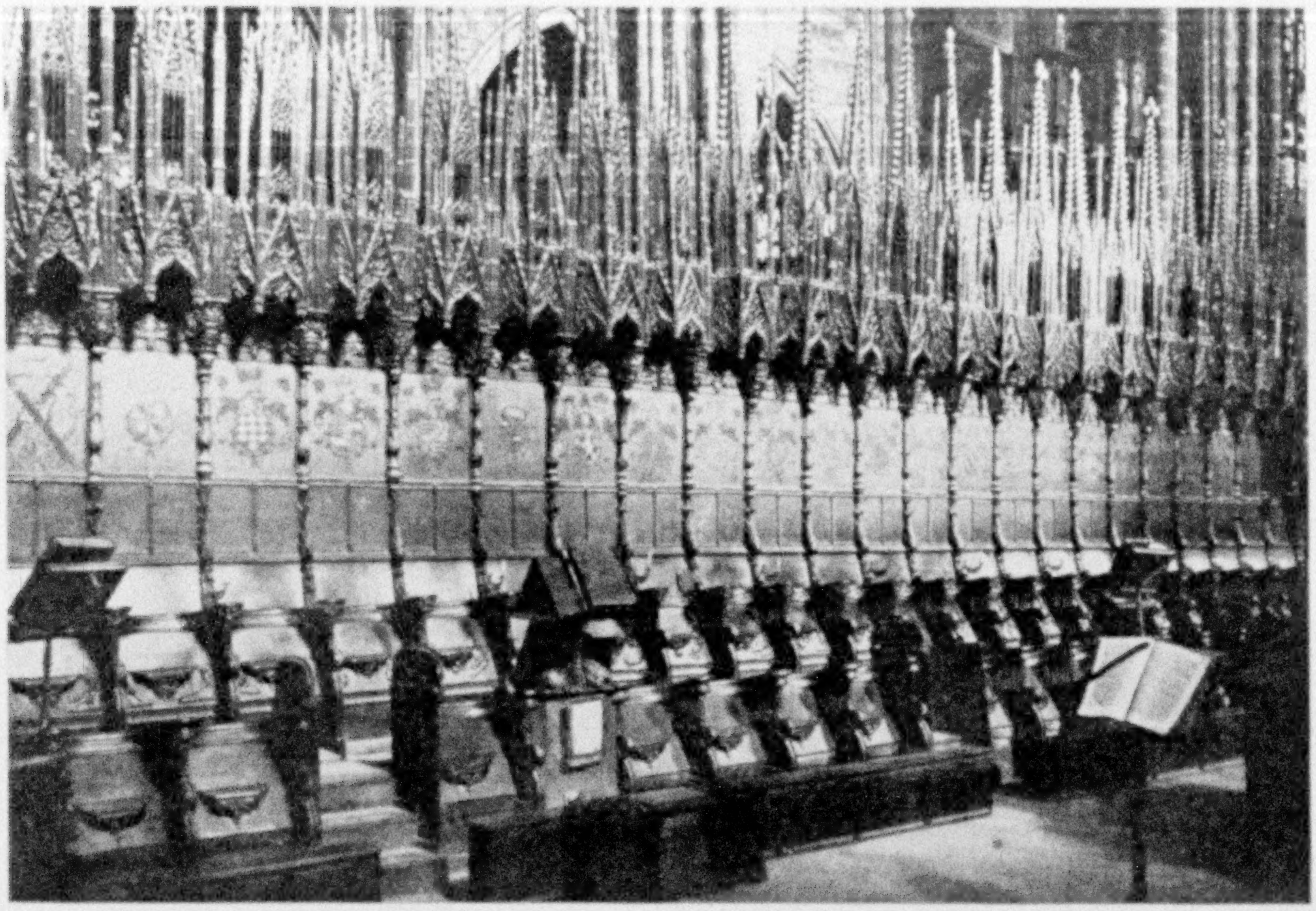
PROGRESS THREATENS HISTORIC BUILDINGS

The fury of expansion, which sweeps everything before it, has already struck down a row of buildings perilously near Barcelona's architectural gems; but the Catalans are very proud of their glorious history and assure us that the old quarter will be preserved. What can this age of embellishment offer in any way comparable to those dignified gray churches and palaces; with that hoary square, guarded by its defiant Roman towers, where the tramp, tramp of the legionaries sounds down the years; or that other, flanked by its noble town halls, where jousting knights met in combat, saints were beheaded, and rulers were acclaimed?

During recent excavations for the installation of underground wires for the automatic telephone system, remains of Roman occupation in the days of Augustus came to light. In the Plaza del Rey, and hidden within a building in the heart of the old town, stand great marble columns which once supported the Temple of Hercules in this Roman city of Julia Faventia.

BARCELONA'S CATHEDRAL EPITOMIZES THE CITY'S HISTORY

The Cathedral is Barcelona's most notable building. For 2,500 years a temple has surmounted its knoll. To it, for comfort and inspiration, have come men of many races and creeds. Hamilcar and Hannibal knew this hill of Taber, and Phœnician and Greek sailors before them. Here came Scipio Africanus the Younger,



Photograph by Arxiv "Mas"

THE CHOIR STALLS OF BARCELONA'S OLD CATHEDRAL

On the site of the cathedral a Roman temple once stood, then a Visigothic basilica. Under the Moorish dominion, a mosque occupied the spot. Although not so large as some of the great churches of Europe, it is a 13th century Gothic edifice, whose dimly lighted interior creates an impression of mysterious magnificence and spaciousness. The Indians whom Columbus brought to Barcelona were baptized in this choir (see, also, text, opposite page).

whose valiant sword won Iberia for Rome, to be held for more than 500 years. The Temple of Venus became in time a Christian basilica, which was converted into a mosque when the Moslem hurricane swept up from the south.

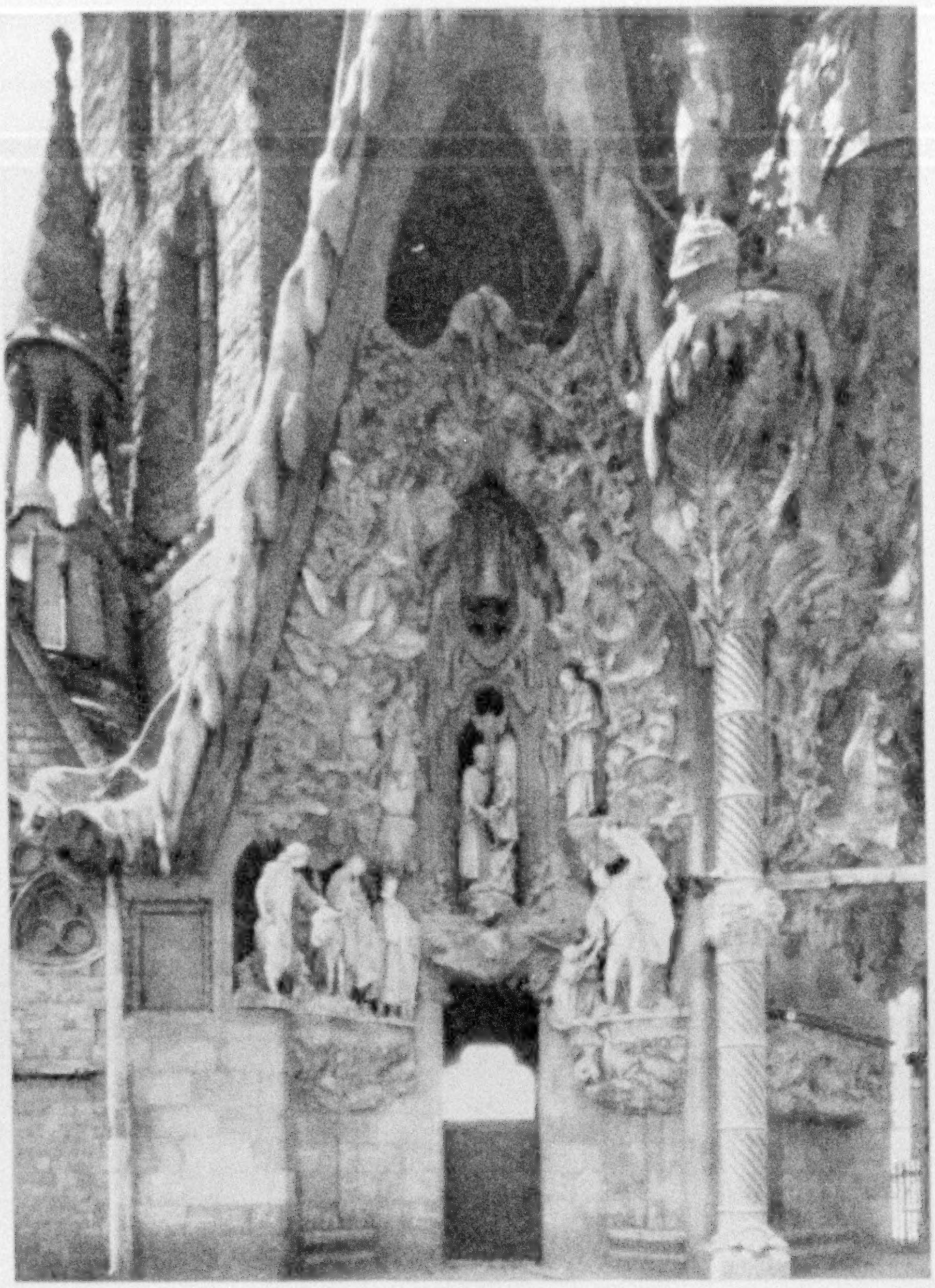
Rebuilt by conquering Christians, who drove out the Moslems, this humble basilica has evolved through the centuries into one of the great churches of Spain. It differs in architecture from its renowned sisters in Burgos, Toledo, and Seville. Here, in the 14th and 15th centuries, an original provincial style of architecture was created—a church very high, very wide of nave, noble, simple, exceedingly somber, with small stained-glass windows set high in the wall. It is, in fact, so dark inside that repeated visits cannot dispel the subtle air of mystery. Occasional shafts of light, stained red, blue, and orange, falling on the cold gray stone, only deepen the surrounding gloom.

Down in the crypt beneath the high altar we see, by glimmering candlelight, the alabaster tomb of Santa Eulalia, patron saint of Barcelona, put to death, with other Christian martyrs, in the fourth century, under Emperor Diocletian's rule. Tradition says she was young, golden-haired, and beautiful.

In Spanish churches the priests' choir has an unusual position in the center of the nave. On the choir stalls of this church are painted coats of arms of the knights of the military Order of the Golden Fleece, a reminder of a momentous spring day four centuries ago when the King of Spain, Charles I, grandson of Ferdinand and Isabella, with other kings and princes and grandees of Spain and Flanders, all knights of the order, here held conclave.

"I had rather be Count of Barcelona," Charles I is quoted as saying, "than King of Rome." From here he went to France to be crowned Emperor Charles V, with Spain one of his many realms.

In marked contrast with the somber church is the friendly Cathedral cloister,



Photograph by Branguli

A DETAIL OF THE NEW SAGRADA FAMILIA CATHEDRAL

A furor of controversy has been caused by the bizarre architecture of this building. Its supporters consider it the pride of Barcelona, while others have called it a nightmare in stone (see, also, illustration, opposite page, and text, page 380).

with doors open wide to the street and gay flowers, waving palms, and a sweet-scented magnolia under the blue sky. There is a moss-covered fountain where women fill their water jugs, and a pond where white geese swim.

HORSES MUST NOW WEAR ARMOR IN THE SPANISH BULL RINGS

While openly criticizing the bullfight, most Americans secretly revel in the typically Spanish touch which it, along with gypsy dances, castanets, and mantillas, imparts. Summer is bullfight season.

A royal decree issued last year makes obligatory armored protection for horses used in the bull rings of the large cities. A public competition decided the type of cuirass adopted, which is aimed to protect the animal from neck to hind leg along the right side only, as a skillful *picador* does not let the bull get around to the other side.

Here are a few points gleaned on my last visit to Barcelona, at the height of the bullfight season:

Reserved seats for the *corrida* can be purchased at little shops where tickets for all classes of sport are on sale.

Seats in the shade are five times as expensive as those in the sun.

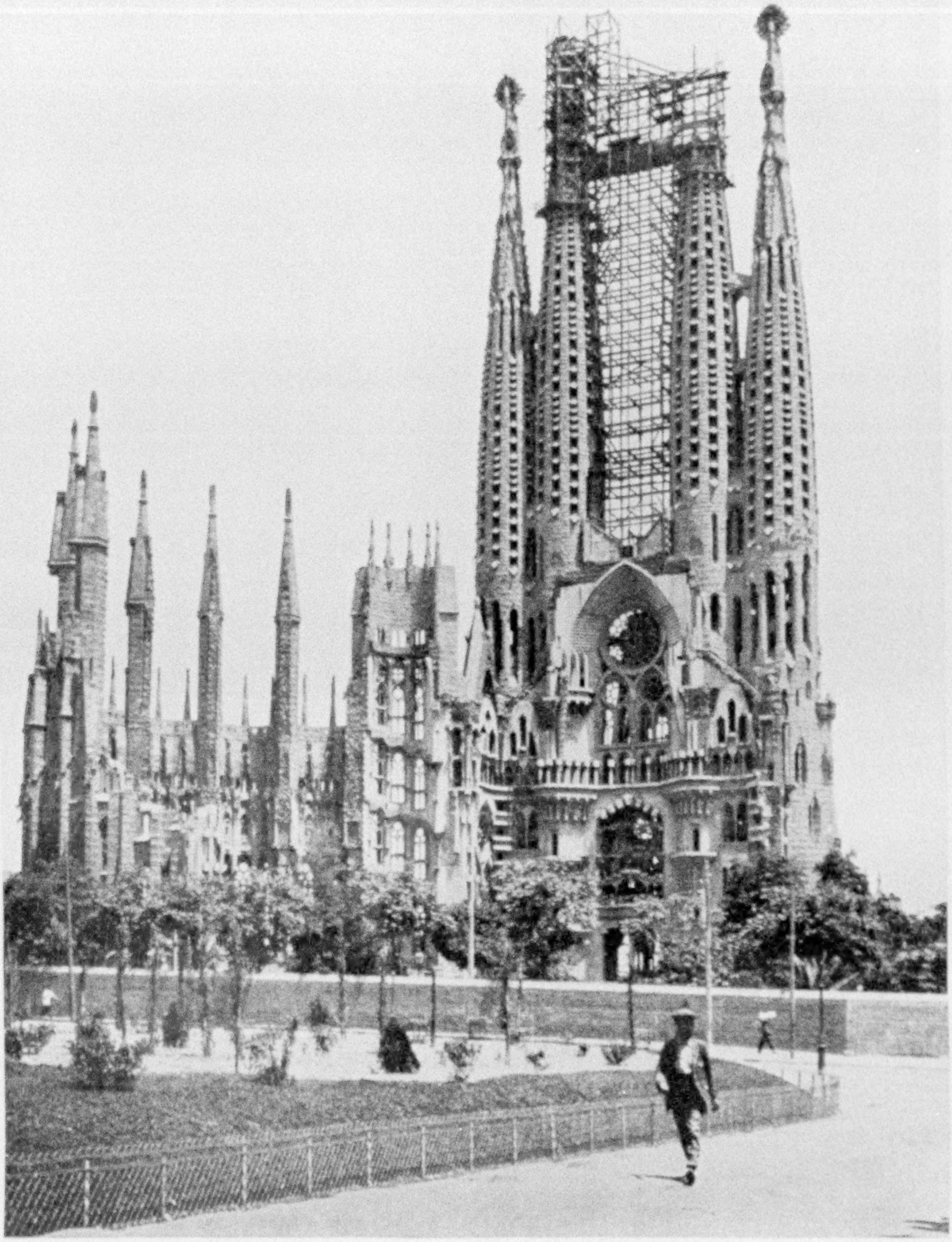
At the bull ring you can rent a pillow to soften your seat on the concrete bench.

Meat of bulls slain in the ring is in demand among the poorer classes, being cheaper than the everyday variety.

In summer the masses flock to church festivals in surrounding villages. How they stand and stare at the flaming placards pasted on the walls of public buildings!

THE OLD-FASHIONED SARDANA

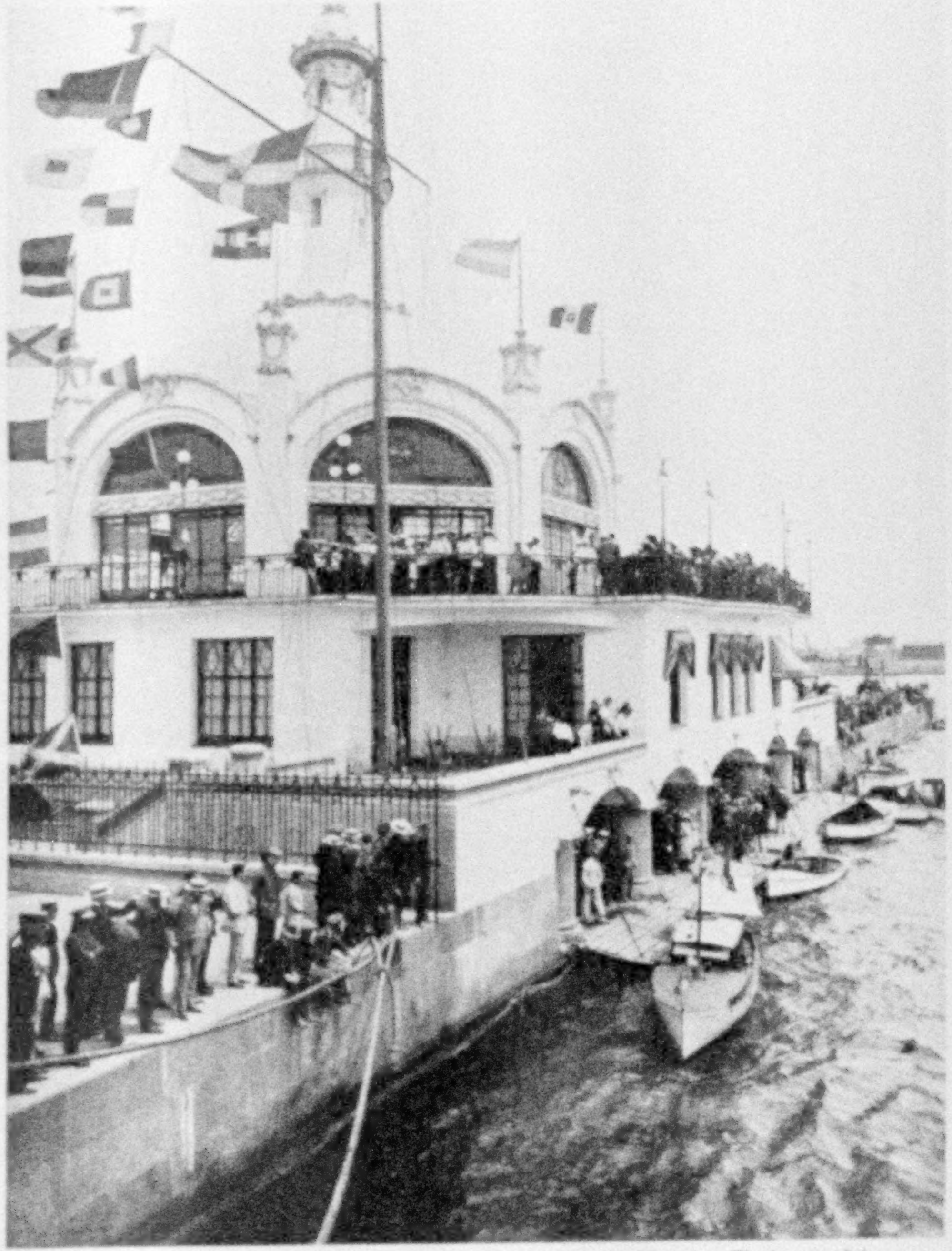
It is at these village festivals we can still see the old Catalonian peasant costume, although with the men long trousers are taking the place of knee breeches and leggings. Some of the old men still wear the red Phrygian cap, short bolero jacket, broad sash, corduroy trousers, and hempen sandals tied round the ankles with black ribbons. The women wear full skirts,



Photograph by Holmes from Galloway

BARCELONA'S NEW CATHEDRAL CASTS ASIDE ALL ARCHITECTURAL TRADITION

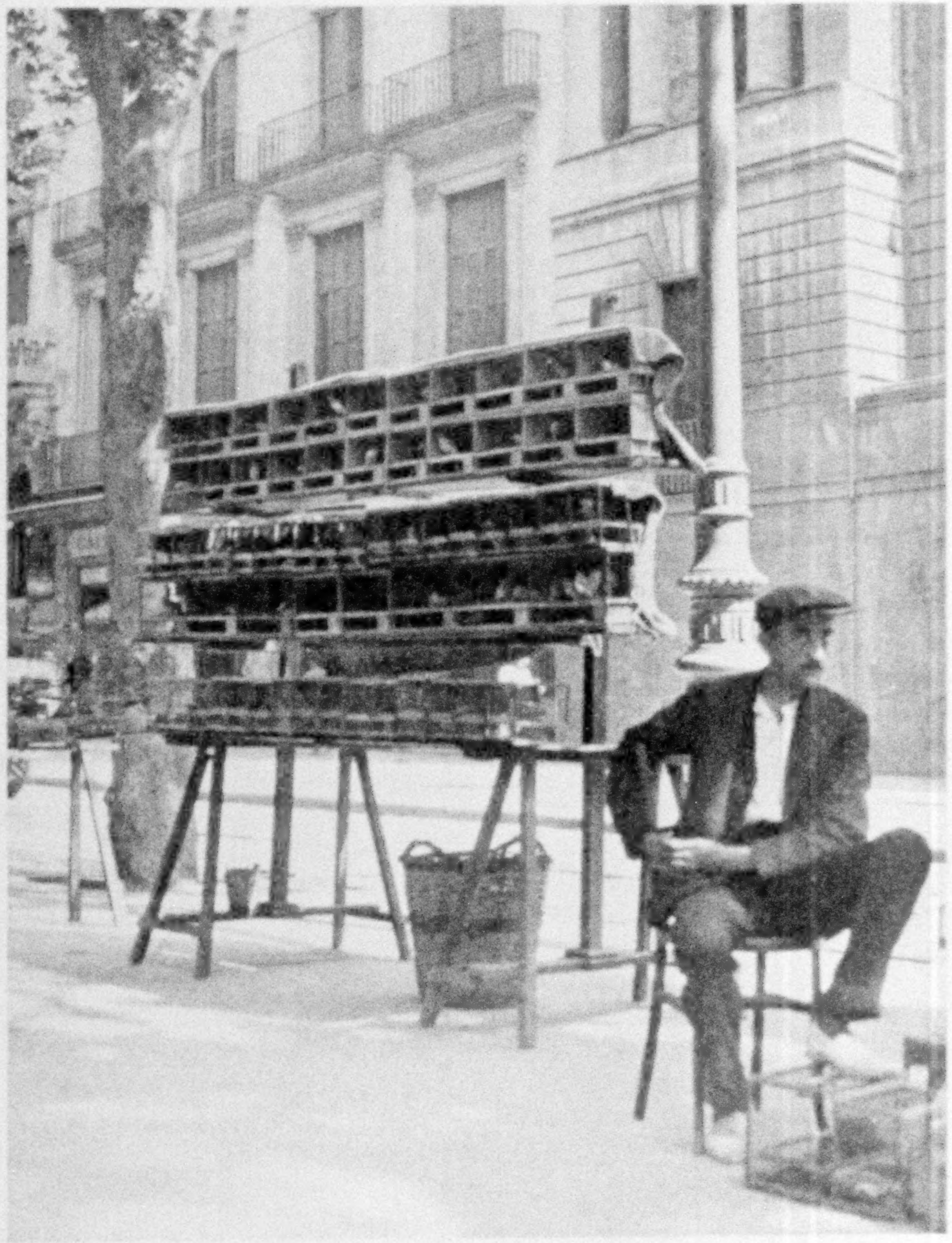
In the modern quarter of the city this somewhat fantastic structure is slowly taking shape. It is an effort to tell in stone the romance of the world's creation, but how well it succeeds depends largely upon whether or not one appreciates modern Catalán art.



Photograph from Harriet Chalmers Adams

ONE OF SPAIN'S FINEST YACHT CLUBS

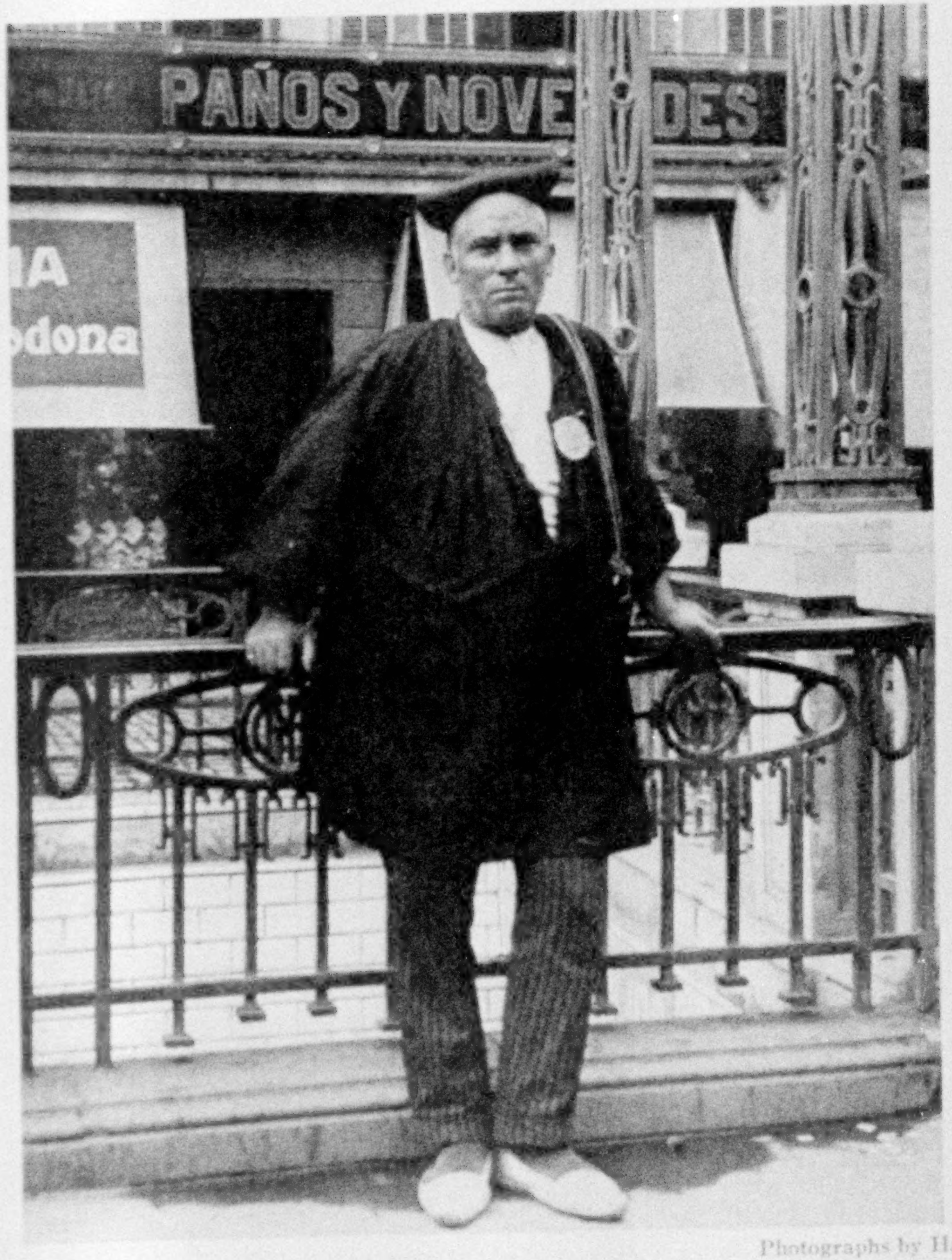
The blue waters of the Mediterranean invite wealthy citizens to enjoy the regal sport of yachting, and many persons in Barcelona have both means and inclination to accept the invitation.



Photograph by Harriet Chalmers Adams

SONGSTERS OFFERED FOR SALE ON THE RAMBLA

One of the most interesting sights of this remarkable thoroughfare is the open-air bird market. Canaries, finches, and small tropical birds are displayed in tiny cages (see, also, text, page 385).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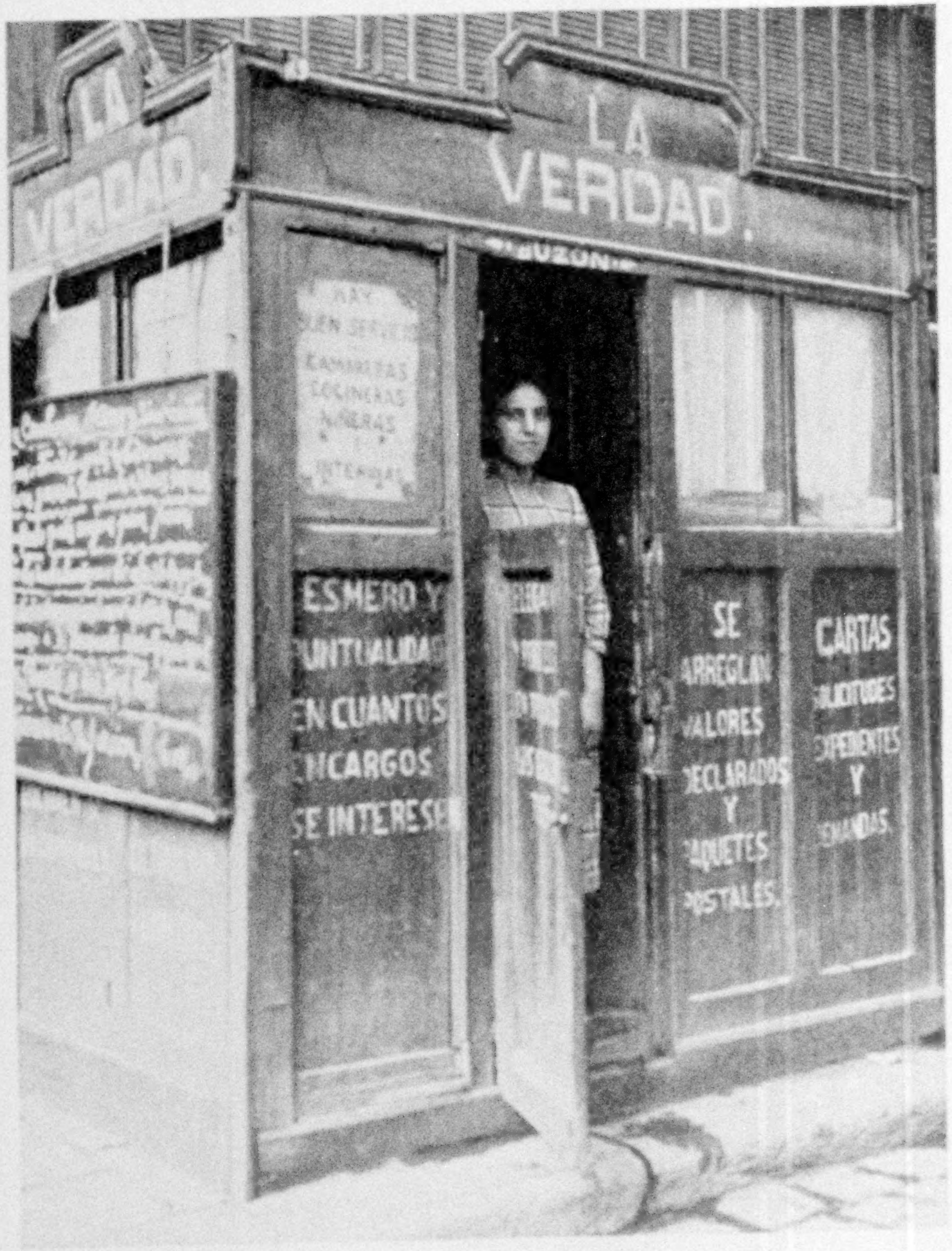
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Y
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POSTALES.
CARTAS
SOLICITUDES
EXPEDIENTES
Y
DEMANDAS.

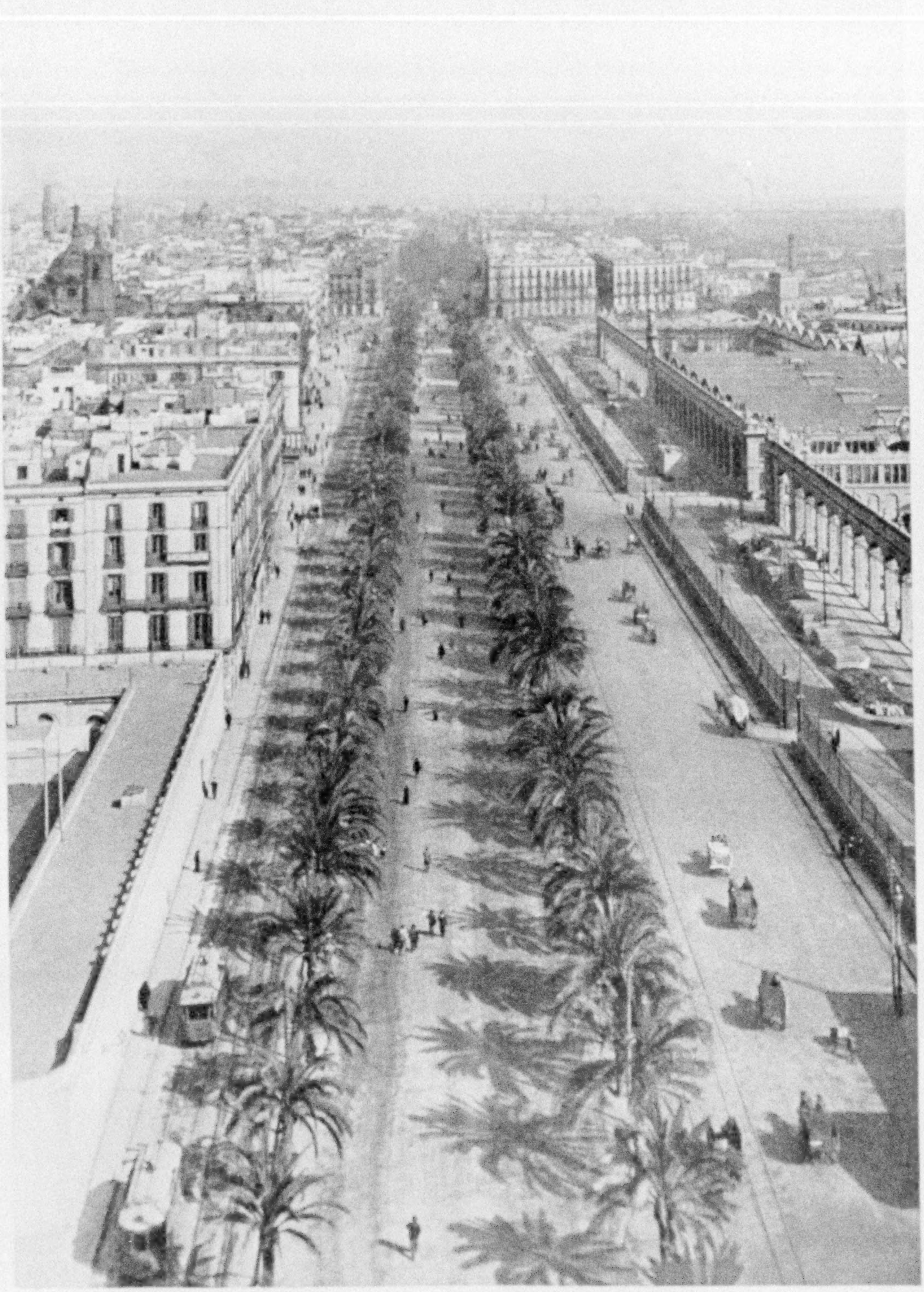
Photographs by Harriet Chalmers Adams

THE "RED CAP" IS FOUND THE WORLD OVER

The ubiquitous porter meets trains, boats, and busses and carries amazingly heavy burdens on his back. This man, wearing a smock and a scarlet cap of a design now popular only in remote mountain districts, seeks odd jobs up and down the Rambla (see text, page 385).

THEY'LL DO ALMOST ANYTHING FOR YOU HERE

The proprietors of this "service station" will find a job, write a letter, mail a package, provide miscellaneous information, or buy a sack of potatoes at the market—for a small consideration. The name of the establishment is *La Verdad*, "The Truth."



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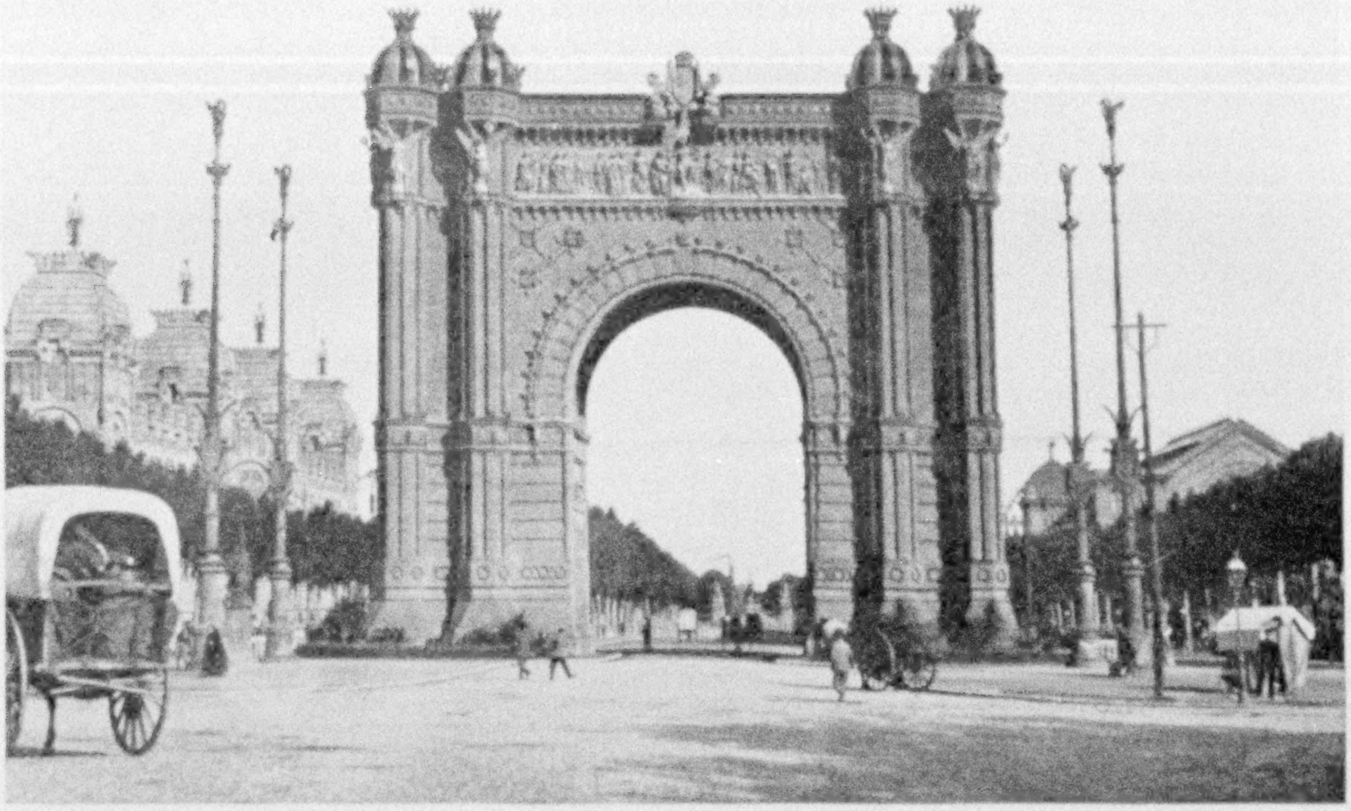
THE PASEO DE COLÓN IS A MAGNIFICENT, PALM-PLANTED BOULEVARD

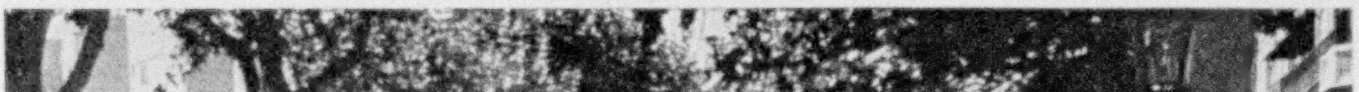
This fine 140-foot avenue runs along the water front, past the customhouse sheds (at the right), and meets the Rambla at that part of the harbor known as the Gate of Peace. Its flourishing rows of palms are eloquent testimony of Barcelona's equable winter climate (see, also, text, page 391).



Photograph by Franklin Adams

AN ARCH OF TRIUMPH RECALLS A SUCCESSFUL EXPOSITION

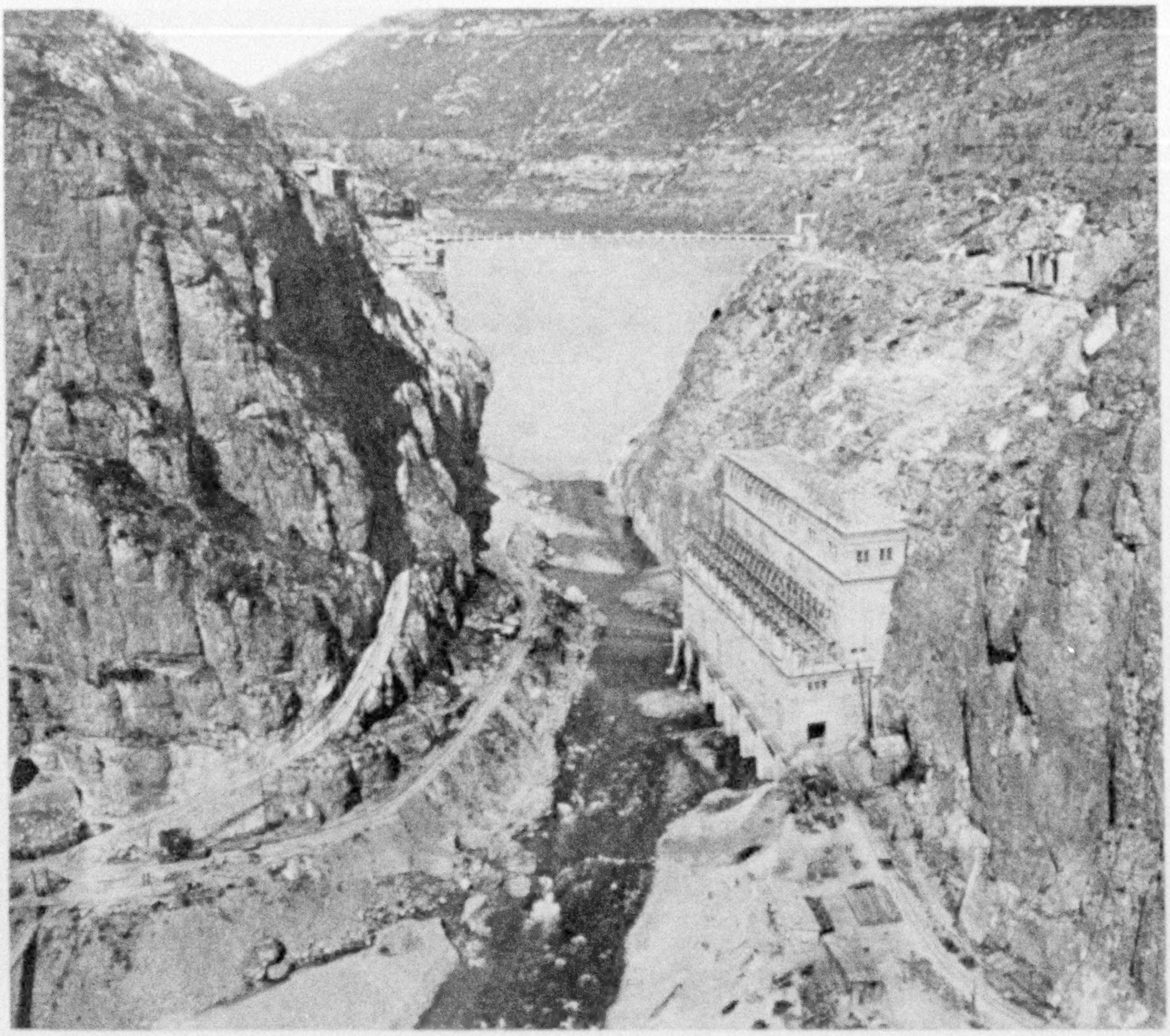
This arch was built in 1888 for the Universal Exposition. This spring Barcelona opens its International Exposition (see, also, illustration, page 384).



Photograph by Holmes from Galloway

PASEO DE GRACIA IS LINED ON BOTH SIDES WITH DOUBLE ROWS OF CHAIRS

Few boulevards in Europe can rival this magnificent thoroughfare, which sweeps down from the hills toward the harbor. Its wide, shady stretches provide a favorite place of promenade, and when the walker tires there is at his elbow a comfortable place to rest.



Photograph from Harriet Chalmers Adams

A POWER PLANT IN THE FOOTHILLS OF THE PYRENEES

The rugged character of northeastern Spain provides much potential water power. More than 350,000 horsepower used in the Province of Barcelona is developed in the mountainous region of Lérida.

tight-fitting blouses, small shoulder shawls, and a cloth head-covering which falls over the hair in back.

We can see the sardana danced in the old-fashioned way, men, women, and children holding hands in a circle, with coats, canes, shawls, purses, and bundles piled on the ground in the center. Aboriginal dances, they tell us, are of love, battle, or religion; but this is a fourth variety, relic of gay pagan feasts. They count their steps, so many to the right, so many to the left; then a rhythmic turning of the entire circle.

Among Catalán dances of the Middle Ages the cane dance has survived. It is not unlike the Scottish sword dance. Around two canes laid on the ground a couple revolves, the canes symbolizing weapons.

After the dance, there is a feast of *foezola*—large white beans and sausage. The food is washed down with red wine. The old Catalán fashion of drinking—throwing the head back, holding the classical wine bottle, with its long, narrow spout, at arms' length above the head, and receiving the thin stream of wine in the wide-open mouth—is still in vogue in the country.

At festivals there is always the smell of hot oil from freshly fried doughnuts—a feature of street life throughout Spain.

AN INDUSTRIOUS, FRUGAL, CONTENTED PEASANTRY

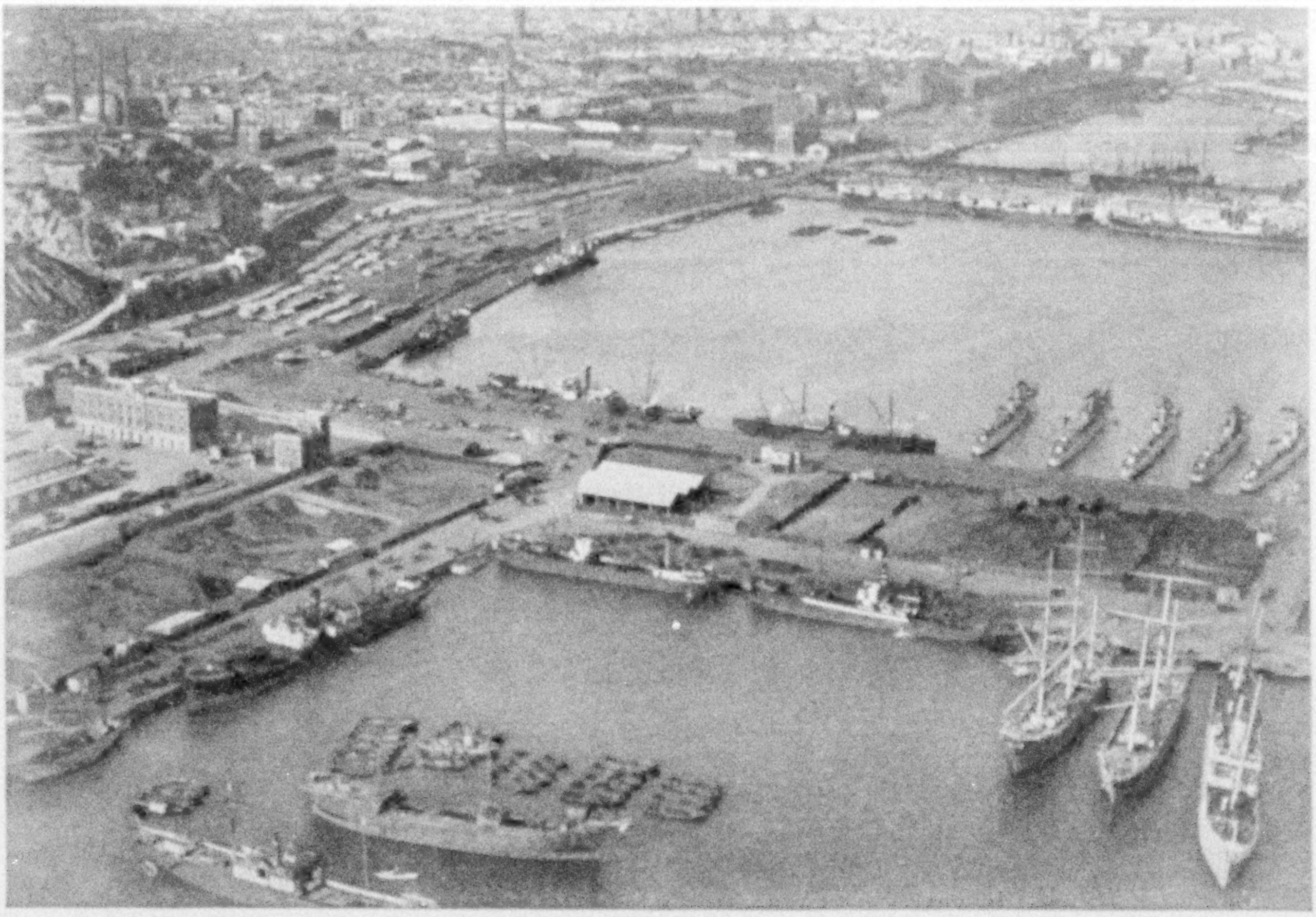
They are industrious, frugal, contented, these Catalonian country folk, who have made their fields fertile through incessant labor. Red-cheeked and bright-eyed in

THE LAKES AND RIVERS FROM WHICH BARCELONA DERIVES ITS POWER ARE PICTURESQUELY SITUATED: A RESERVOIR NEAR SALÁS

Photographs by Villanueva

THE GREAT DAM OF THE CANAL OF LÉRIDA AT SERÓS IS A QUARTER OF A MILE LONG

Prior to the utilization of hydroelectric power, the creative, energetic people of Catalonia developed the textile industry with raw cotton from the United States, coal from England, and man-power from neighboring provinces. More than 100,000 persons in Barcelona are employed in cotton manufacturing, 350,000 bales of cotton being consumed annually.



Photograph by Aviación Militar Española

BARCELONA'S MAGNIFICENT HARBOR IS LARGELY MAN-MADE

old age, they eat little meat, vegetable soup, goats' milk, dried figs, and almonds forming important items in their diet. The cost of living is exceedingly low.

While Barcelona has more to spend than any other city in the country, the standard of living demands comfort without extravagance. There is no servant problem. No more faithful servants exist than those to be found in Spain.

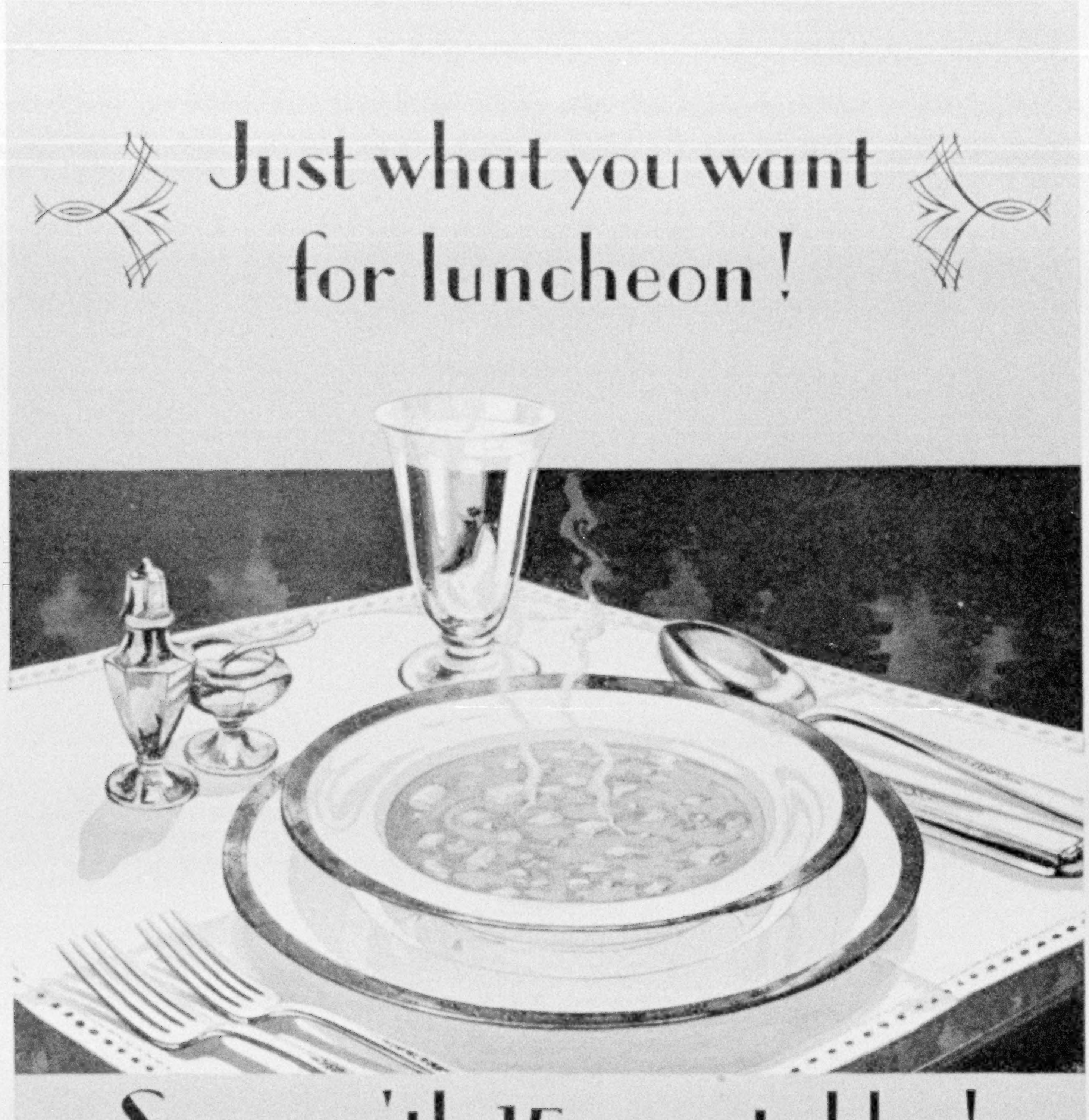
From Barcelona side trips can be made to fascinating historic towns: Gerona, famous for its antiquities and its heroic defense in Napoleonic wars; Lérida, by the River Segre, where Cæsar defeated Pompey's generals; Tarragona, once imperial city of the Romans, with its Cyclopean foundation walls. Palma, on the beautiful island of Majorca, is a night's sail to the southeast.

The best-known excursion, which can be made in one day, is to the shrine of Montserrat, traditional guardian of the Holy Grail. This huge isolated mountain mass, more than 13½ miles in circumference, has been slashed by Nature's Titanic sword into an extraordinary turreted air castle whose highest pinnacle reaches an altitude of 4,000 feet. On a ledge of a deep cleft perches the famous monastery (see Color Plate XVIII).

Of the many parks in Barcelona, the newest and finest is on the slope of Montjuich, the hill by the shore.

From the heights of Montjuich there are splendid vistas of harbor, city, and hills, and the valley of the Llobregat River stretching along the coast to the south. As night falls, the water in the harbor is sapphire, with a sheen of silver where the lights of the moored ships are reflected in the depths. Above, one by one the silver stars appear. The lights of the great city shine out until, between Montjuich and Tibidabo, there is a sea of incandescence. Above it, on Tibidabo and the adjoining hill of Vallvidrera, the lights of the two funicular railways glide up and down like so many fairy lanterns.

The magic of this peace and beauty, and a little of mystery, contrasted with the throbbing, restless life of the city that never sleeps, is illustrative of the versatile charm which lures and holds all who come to know Barcelona, pride of the Catalans, great city of Spain.



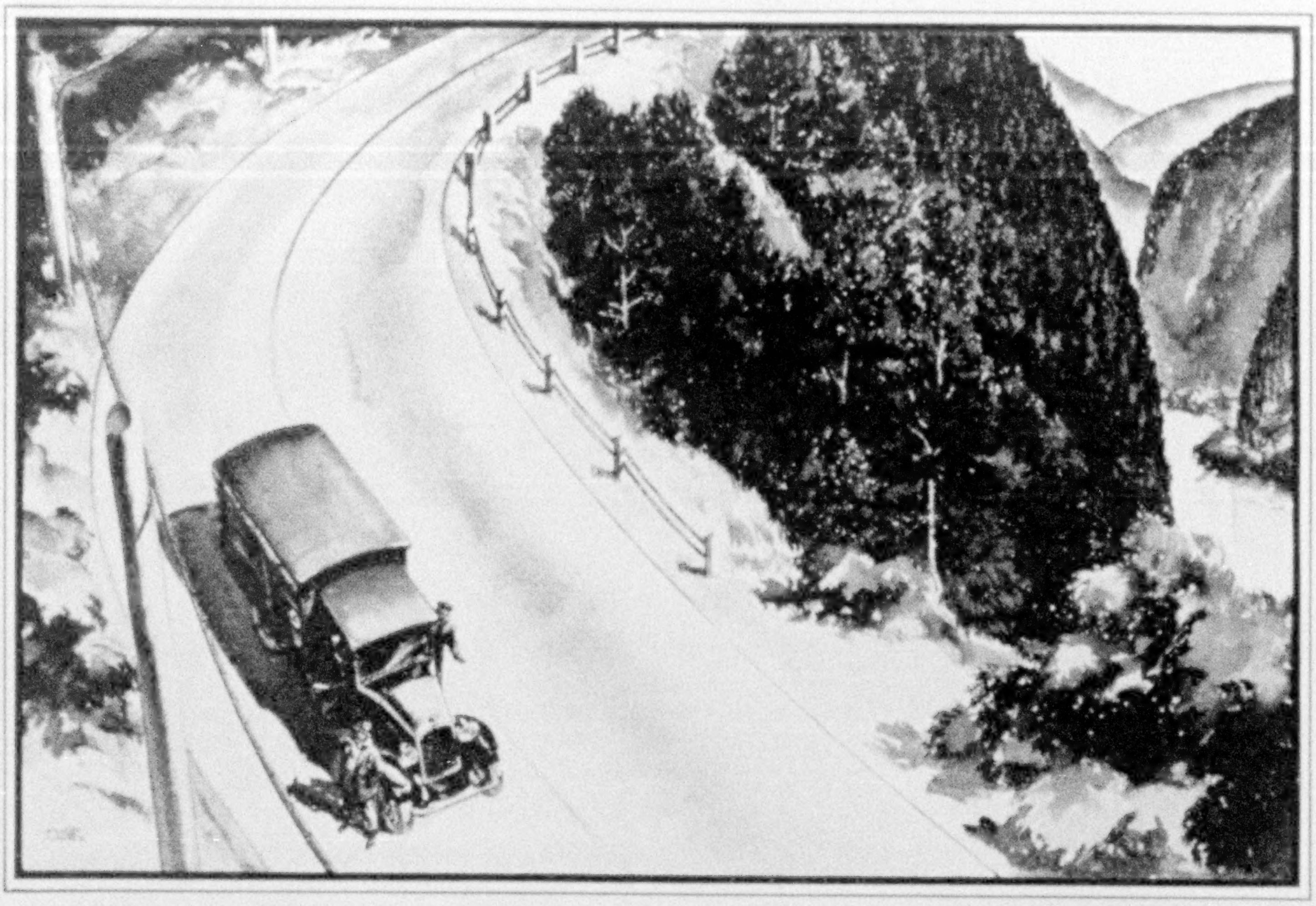
Just what you want for luncheon!

Soup with 15 vegetables!

Luncheon is apt to be a troublesome meal, isn't it? Often your time is short. Often your appetite is hard to please. You'll be delighted to find what a satisfactory luncheon Campbell's Vegetable Soup is! It's so hearty and substantial that people speak of it as "a meal in itself." A delicious, sustaining luncheon. 12 cents a can.

Look for the Red-and-White Label

WITH THE MEAL OR AS A MEAL SOUP BELONGS IN THE DAILY DIET



Getting there ahead of the trouble

An Advertisement of the
American Telephone and Telegraph Company

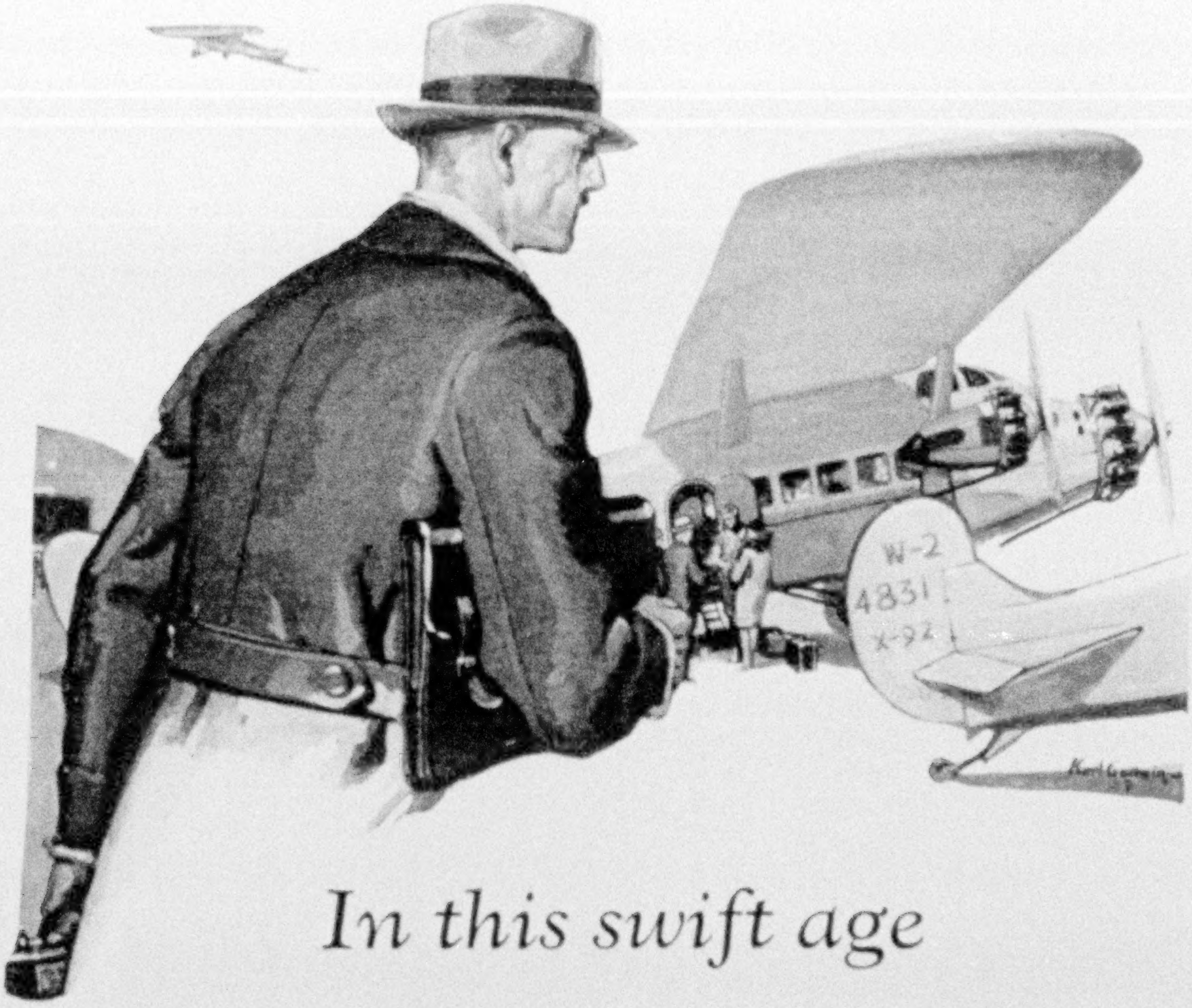
During the afternoon of March 17, 1928, an alarm bell rang in a telephone test station in the heart of the Alleghany mountains. This meant that a puncture had been made in the air-tight sheath of a busy inter-city cable. The men on duty knew that the injury was somewhere within 50 miles.

Highly developed locating devices were instantly applied and in sixty-five minutes the trouble spot was located. By 7.15 in the evening, before the break in the sheath had affected service on any of the 248 pairs of wires in the cable, the repairs had been made. Because of the preliminary warning on the indicator wire and the locating devices that enabled the test station to tell the repair crew where it would find the trouble, not one conversation was interrupted. This special alarm system is one of the many mechanical and electrical wonders developed by Bell System engineers to guard telephone conversations. The apparatus is placed along the cable routes at intervals of 100 miles. It gives instant warning day or night of any disturbance to the cable within 50 miles in either direction.

Automatic warning signals, electrical locating devices, constant testing of all switchboard apparatus and circuits—these are some of the ceaseless efforts that so effectively reduced interruptions to service on Bell lines in 1928.

There is no standing still in the Bell System. Constant progress in accuracy and better and better service at the lowest cost is its goal.

"The Telephone Books are the Directory of the Nation"



In this swift age

save yourself investment time and worry this way

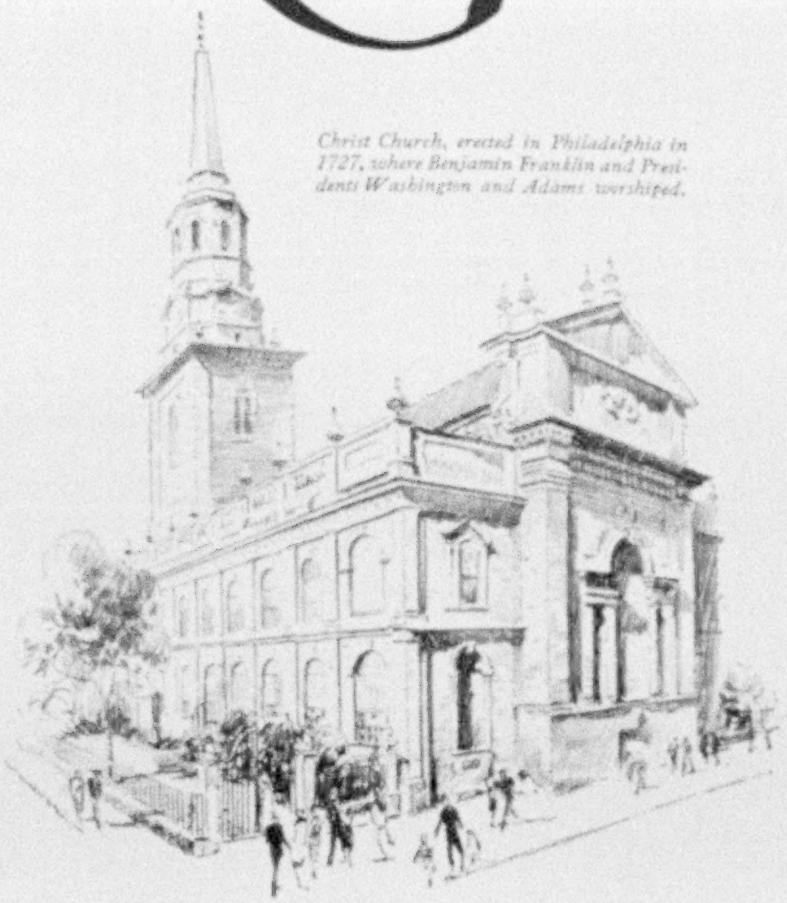
An airplane rushing a busy executive to an emergency engagement is but an outward indication of the fast tempo at which we live today. In other ways—less dramatic, perhaps—you try to make every working hour count for more. But possibly you haven't realized how much time and worry you can save in the all-important matter of investing your money. The National City Company, for instance, maintains offices in over 50 American cities to furnish quick investment contact with busy men. At any of these offices our representatives will gladly help you check over your present holdings or select additional investments. Their recommendations are backed by over 115 years of National City experience and all that this implies in the way of financial knowledge and sound judgment.

The National City Company

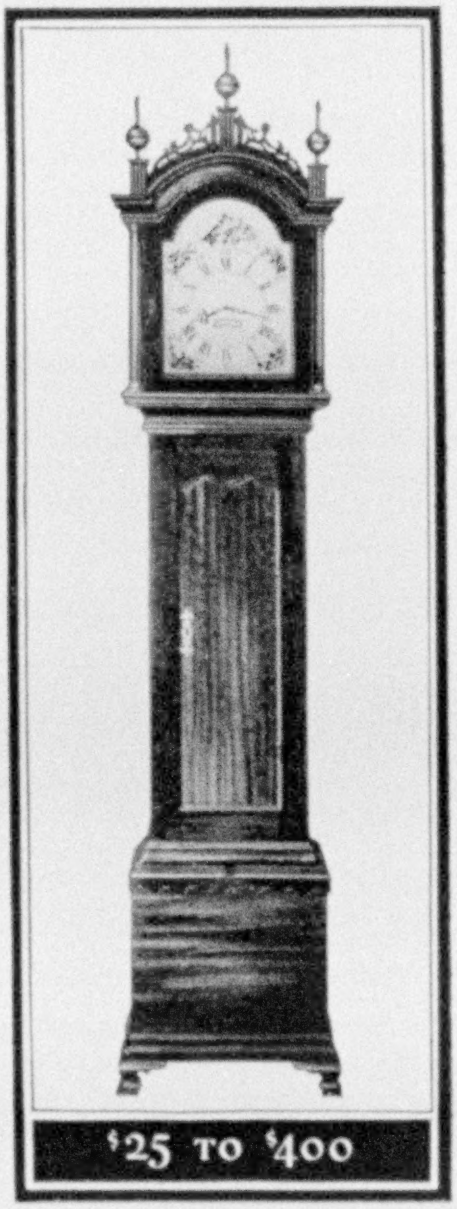
National City Bank Building, New York

OFFICES IN 50 AMERICAN CITIES. INTERCONNECTED BY 11,000 MILES OF PRIVATE WIRES. INTERNATIONAL BRANCHES AND CONNECTIONS.

Emblematic of COLONIAL *days*



Christ Church, erected in Philadelphia in 1727, where Benjamin Franklin and Presidents Washington and Adams worshiped.



$25 TO $400

The lofty ideals of our Puritan ancestors —their willingness to sacrifice material comforts for religious liberty—their high regard for duty made them staunch timber with which to build a nation.

REMINISCENT of those Colonial days is this classic reproduction of the Sudbury Clock by Sangamo. It adheres to the original designed probably by Master Nathan Edwards, even to the most minute details.

That conscientious Puritan spirit also pervades the superbly finished Sangamo movement under the case. You will find it in the highly polished stainless steel pinions and accurately cut gears—in the jeweled Illinois-Hamilton escapement—in every hidden part—and in the artistry of Sangamo cases.

Sangamo has been designed to meet the split-minute requirements of this high speed age. Its timekeeping qualities cannot be measured with those of other clocks. You can compare its accuracy only with that of the finest railroad watches.

Like the modern radio, Sangamo is electrically operated. A tiny motor built in the movement keeps the clock mainspring wound to a uniform tension at all times. There is nothing complicated about Sangamo. No batteries. No leveling. Current fluctuations do not affect it. Even with the current cut off, it will run for many hours. The deep, melodious strike is also electrically operated.

Sangamo Electric Clocks are offered in 45 styles and color designs—at from $25 to $400. See them at the better jewelers'. Write for your copy of "Telling Time" showing many famous old clock masterpieces as well as the latest style trend in clocks.

SANGAMO

ELECTRIC CLOCK

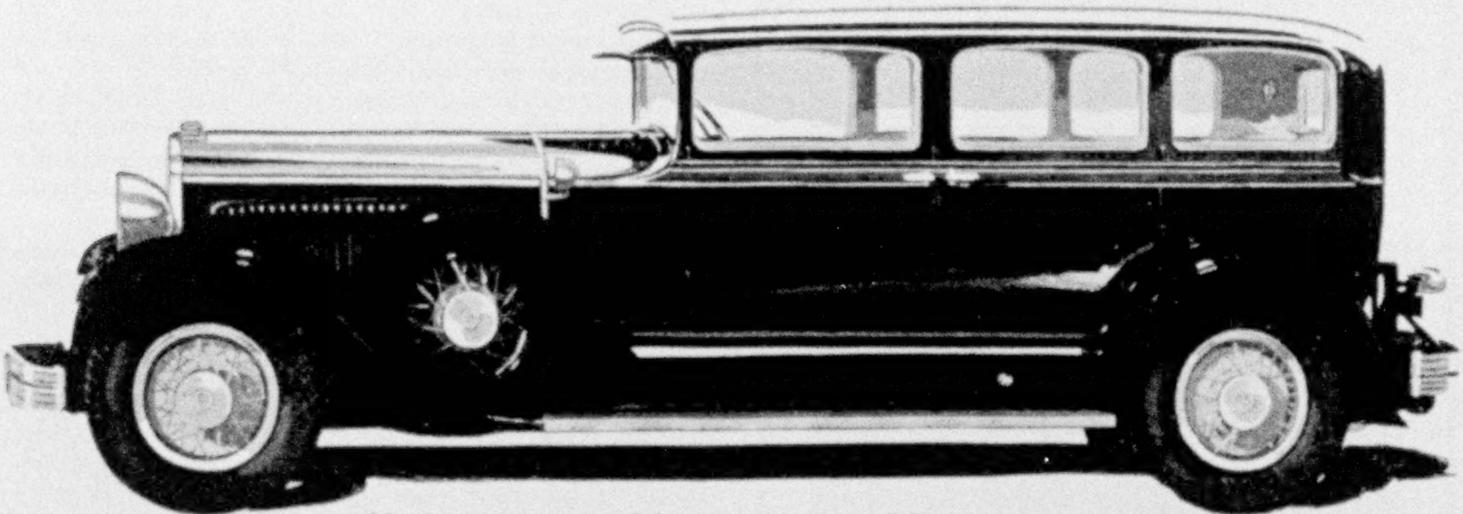
SANGAMO ELECTRIC COMPANY, Springfield, Illinois

Foreign factories: Canada: Sangamo Electric Co. of Canada, Ltd., Toronto
England: British Sangamo Co., Ltd., Ponders End, Middlesex, England

Manufacturers also of Sangamo Electric Meters—5,000,000 in service—
Sangamo Radio Condensers and Transformers

THE NEW CHRYSLER

IMPERIAL



New Imperial 7-passenger Sedan, illustrated. Also available in 5-passenger Sedan, Sedan-Limousine, Town Sedan, Roadster and other custom-built body models.

The Highest Expression of Chrysler Accomplishment

The acceptance of the newly introduced Chrysler Imperial is only the logical and inevitable result of the appreciation that is the highest expression to date of Chrysler accomplishment in engineering, performance and equipment . . . ¶ It conveys at first glance a correct conception of what it is and what it will do—impressing you immediately with its imposing proportions and consequent luxury and carrying the promise of road ease and restfulness which cars of lesser specifications cannot be expected to provide . . . ¶ The new Imperial is very beautiful—a richly groomed car in every sense of the word—designed, fitted and finished with restrained good taste and quietly effective in every large or small detail of its environment.

CHRYSLER IMPERIAL PRICES — *Roadster, $2675; Standard Coupe, $2895; Town Sedan, $2975; 5-passenger Sedan, $2975; Convertible Coupe, $2995; 7-passenger Sedan, $3095; 7-passenger Phaeton, $3095; Sedan Limousine, $3475. All prices f. o. b. Detroit.*

You need but snap a switch to summon the summer sun in the dead of night

SUDDENLY through the dark of the night the summer sun appears. You have summoned it, and there it stands, warm and glowing.

What more astounding miracle could you imagine? What greater blessing can there be than this? Such is the wonder of the Eveready Sunshine Lamp. Its light duplicates natural summer sunshine at any hour.

Through your skin and into your blood, awakening your nerves and warming your body, this man-made sunshine streams triumphant. Now the healthfulness of summer sunshine becomes yours at will, regardless of weather or season.

This light is so scientifically exact in reproducing sunshine that it will do for you all that sunshine will do. Turn on the Eveready Sunshine Lamp and you turn on ultra-violet rays in the same proportions in which they are found in summer sunshine. You turn on all the colors of the rainbow at once. Therefore, the light is intense, pure white to the eyes. The invisible heating infra-red rays are produced too, in their proper proportions to the other rays, and so this man-made sun glows with grateful warmth.

Now it is certain that this light will give you all the great gifts of the summer sun. It will give you the feeling and appearance of perfect health. In the morning while you shave, or at night before you retire, bathe your body in the energizing rays of this light. You will experience a new feeling of physical fitness.

Sunshine, natural or artificial, greatly benefits the healthy. Do not use it, however, for the treatment of disease except under your doctor's instructions, for this powerful agent may harm the sick as much as it helps the well. In illness, seek medical advice.

Write for the booklet "Making the Summer Sun Stand Still."

NATIONAL CARBON COMPANY, INC.
Carbon Sales Division, Cleveland, Ohio
Unit of Union Carbide UCC *and Carbon Corporation*

The new Eveready Sunshine Lamp plugs into any convenience outlet, and comes complete with two pairs of special goggles and ten Eveready Sunshine Carbons, ready to operate. Price, $137.50. Sold by electric light companies, electrical specialty dealers, department stores, and physicians' supply houses.

EVEREADY
Sunshine Lamp

Eveready Sunshine Lamp

ASK YOUR PHYSICIAN

EVEREADY
Sunshine Carbons

WORLD'S GREATEST SEDAN VALUES !

GREATER BEAUTY ∨ LARGER BODIES

WITH all their many improvements, the new Superior Whippet Four and Six Sedans are still notable for startlingly low prices. They hold their place as the world's leading values in four-door enclosed cars.

Longer bodies, graceful lines, rich distinctive colors, higher radiator and hood, sweeping one-piece full crown fenders and perfection of detail mark the new Superior Whippet as the style authority created by master designers.

As the mechanical triumph of leading engineers, the new Superior Whippet possesses the important advantages of silent timing chain, full force-feed lubrication, aluminum alloy invar-strut pistons, remarkable new "Finger-Tip Control"—and, in the Six, a seven-bearing crankshaft. Long service will prove Whippet's dependability and economy of operation.

"Finger-Tip Control"

—a single button, in center of steering wheel, starts the motor, operates lights and sounds horn.

WILLYS-OVERLAND INC., TOLEDO, OHIO

WHIPPET 4·SEDAN

$595

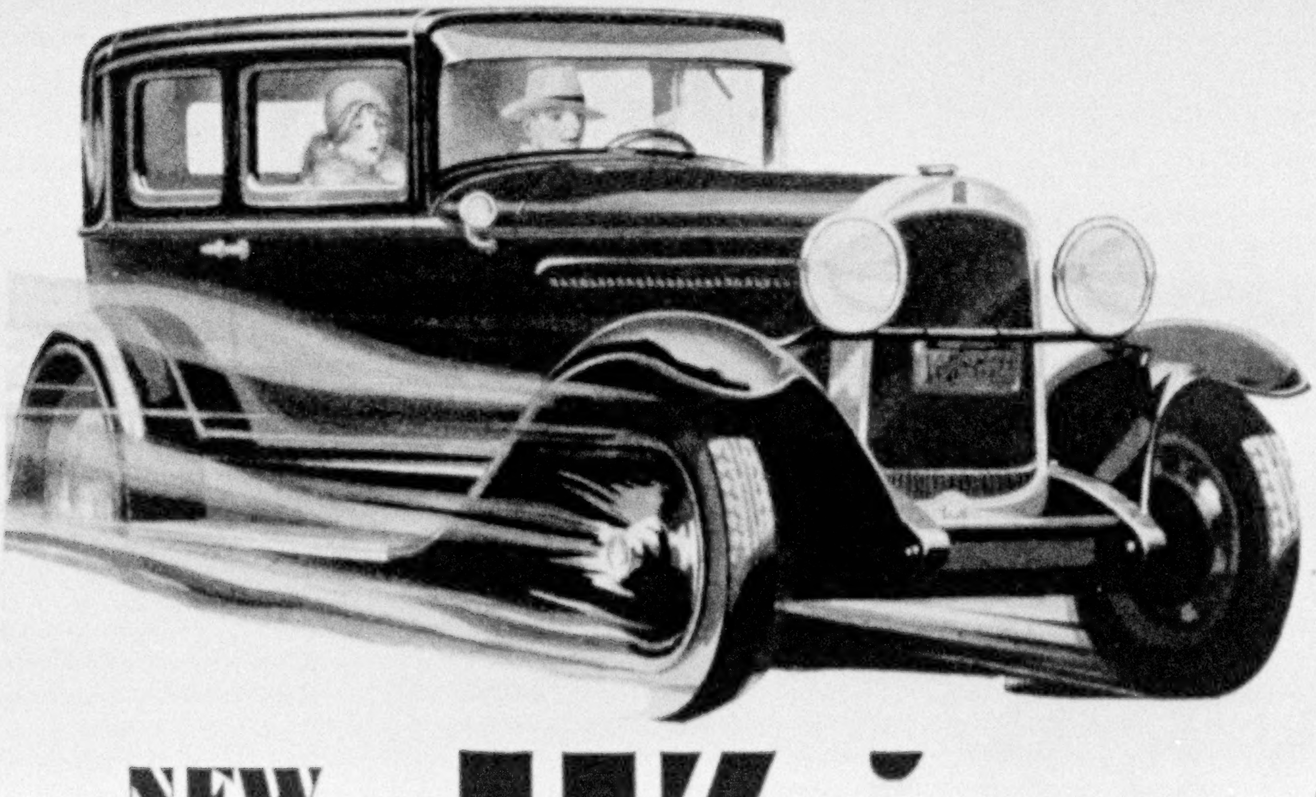
Four-cylinder Coach $535; Coupe $535; Roadster $485; Touring $475; Commercial Chassis $365.

WHIPPET 6·SEDAN

7-Bearing Crankshaft

$760

Six-cylinder Coach $695; Coupe $695; Coupe (with rumble seat) $725; Sport De Luxe Roadster $850 (including rumble seat and extras). All Willys-Overland prices f. o. b. Toledo, Ohio, and specifications subject to change without notice.

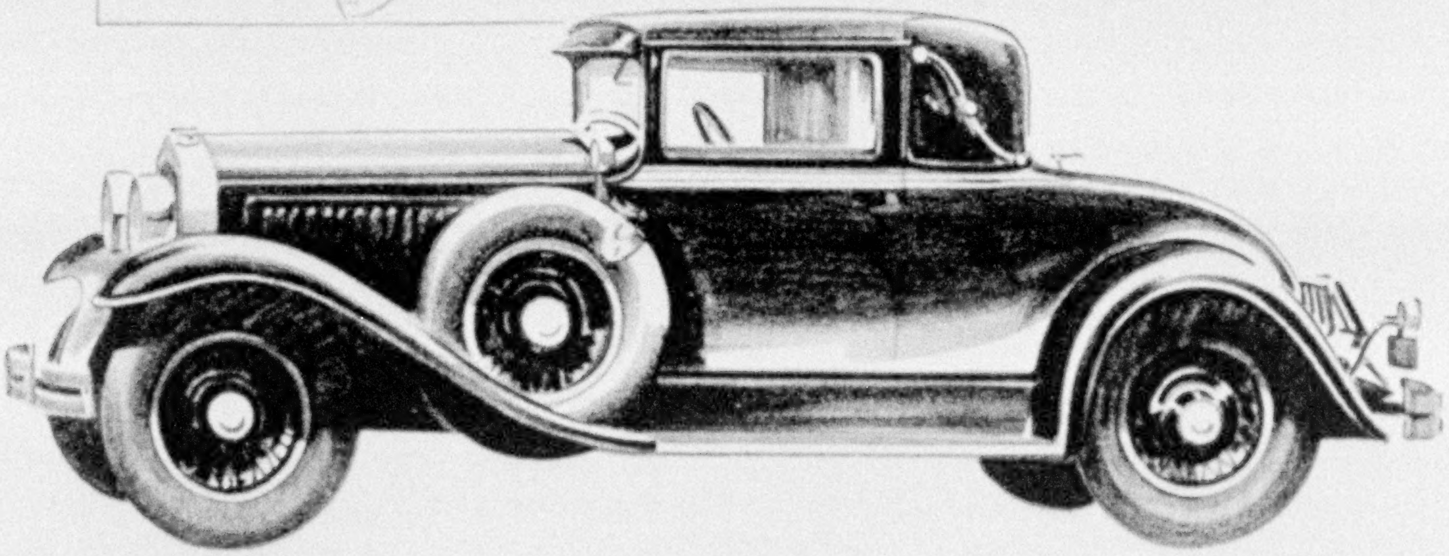


NEW SUPERIOR *Whippet* FOURS *and* SIXES

A modern interpretation of fine-car style

MOTORISTS of discernment will instantly recognize the style of the new Dodge Senior as something spirited, fresh, advanced. Here is a rare blending of smartest charm with large-car ease and stability. It is a Walter P. Chrysler achievement! Fine — large — luxurious — the new Dodge Senior has genuine character and appeal. Its superiority is many-sided. Its excellence of engineering insures fine performance. Its sound construction guarantees long life. And its vivid style commands universal admiration.

NEW LOWER PRICES
NOW $1495 TO $1595
F. O. B. DETROIT

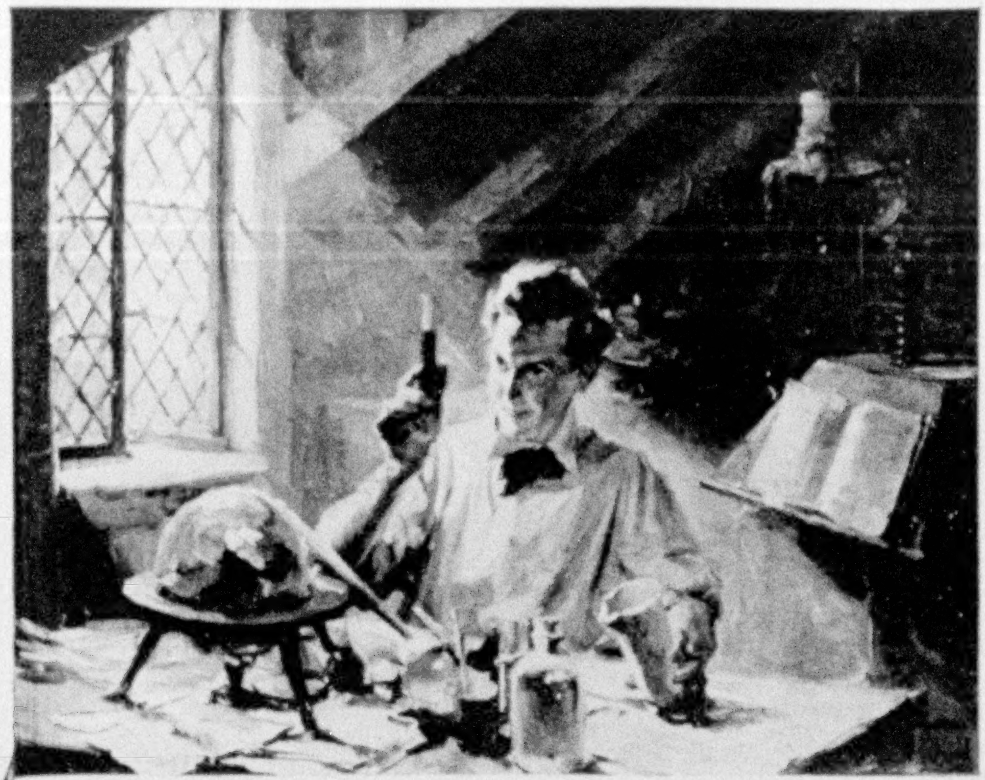


Sport Coupe with Rumble Seat (wire wheels extra)

NEW DODGE SENIOR

BUILDING
THE FORTRESSES OF
HEALTH

One of a series of messages by Parke, Davis & Company, telling how the worker in medical science, your physician, and the maker of medicines are surrounding you with stronger health defenses year by year.



The boy who found rainbows in coal-tar

One Easter vacation in 1856, 17-year-old William Henry Perkin, a student-assistant in the Royal College of Chemistry, was toiling in an improvised laboratory under the eaves of his English home.

"Throw the rubbish away!" croaked unimaginative Common Sense, when the boy poured in a red fluid and got a sticky, dark mass at the bottom of his test tube. "Examine it!" whispered Science. "It may be worth something!"

Science was right. Out of that ugly dark mud came a lovely violet-purple dye. This "Mauve" was the first aniline dye ever made from coal-tar, a "worthless" by-product of gas-making!

He started a scientific revolution

Young Perkin's experiments, and the experiments of other men in these early years, showed the way to a new, *creative* chemistry. Scientists began to put chemical elements together to produce complex "synthetic" substances, some of which have proved very valuable to Medical Science.

The germs of certain diseases, for example, were not visible under the microscope until it was discovered how to "stain" them with synthetic compounds. This in turn led to investigations regarding disease which would never have been possible otherwise.

A new group of modern medicines

Today hundreds of these "built-up" medicinal preparations are at the disposal of the physician, to allay pain, prolong life, and restore normal health.

Parke-Davis research chemists often spend years in producing a single synthetic medicine. For example, in a recent search for a synthetic drug to accomplish a certain purpose, more than 200 compounds were patiently built up before *one* was obtained that met our exacting requirements.

Spoonfuls of Summer Sun

Physicians say that next to clear summer sunlight, vitamin-rich cod-liver oil best promotes strong healthy bones and sound teeth in growing children. Parke-Davis Standardized Cod-liver Oil is so rich in vitamins that each teaspoonful contains as much Vitamin A as 1 pound of the best creamery butter, or 11 pints of whole milk, or 9 eggs; and as much Vitamin D as 7.5 eggs.

Parke-Davis Cod-liver Oil is light in color, practically odorless, and as nearly tasteless as a pure cod-liver oil can be. Children find it much easier to take. Ask your druggist for Parke-Davis Standardized Cod-liver Oil.

PARKE, DAVIS & CO.

The world's largest makers of pharmaceutical and biological products

FROMM
Pedigreed
SILVER
FOXES

FROMM *Pedigreed* SILVER FOXES

LIKE the mark of sterling on silver, the mark of Fromm on a silver fox scarf stands for the genuine, the preferred, the best in coloring and fullness and silkiness of fur. These foxes are scientifically bred at the Fromm farm in Wisconsin.

Go to the furrier displaying the Fromm symbol pictured above. Like all fur experts he recommends, and will show you, Fromm Pedigreed Silver Foxes—each marked with a sealed tag—bearing an individual number—in return for which the purchaser is given a certificate vouching for the pedigreed superiority of the pelt.

If your furrier does not have Fromm Pedigreed Silver Foxes, write us his name, and we will see that you are shown an assortment of these exquisite scarfs. We will also send you, without charge, our booklet, telling the story of Fromm Pedigreed Silver Foxes—and instructing you how to care for your scarf.

FROMM
Pedigreed
SILVER
FOX

THIS Medallion identifies the genuine Fromm Pedigreed Silver Fox. Be sure it is intact. You remove it—mail it to Fromm with your name and address—and you will receive a certificate—describing the scarf you have purchased and stating its pedigree.

FROMM BROS., NIEMAN & CO., THIENSVILLE, WISCONSIN

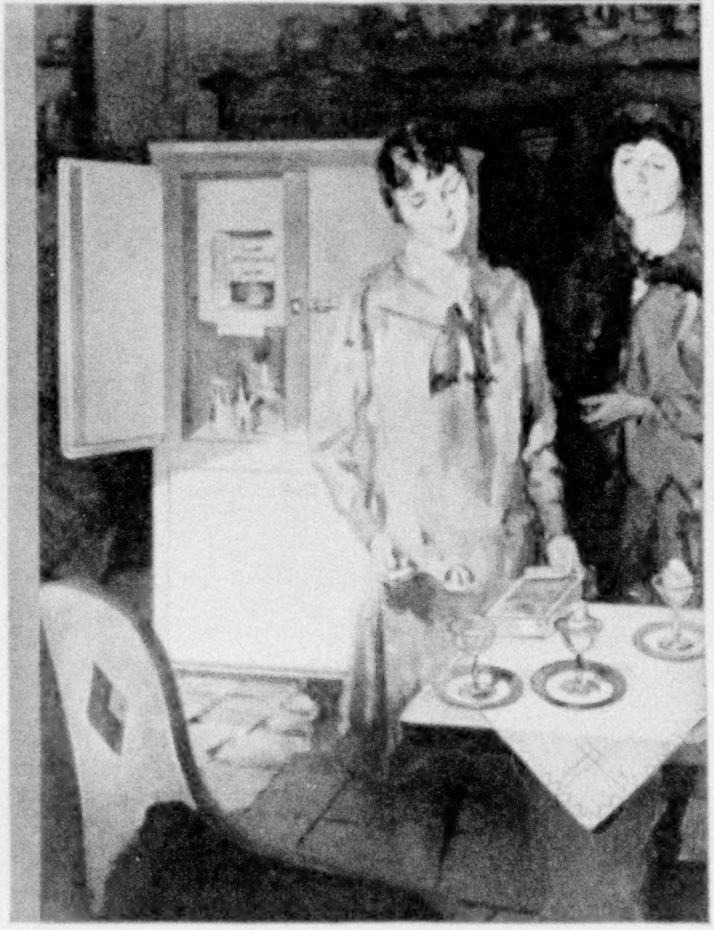
Now with Frigidaire *you can regulate the speed of freezing ice cubes and desserts*

THE NEW COLD CONTROL

offers greater convenience . . . utmost simplicity

COLDER
OFF
1
2
3
4
5

THE "COLD CONTROL" WHICH REGULATES FREEZING SPEED



TODAY Frigidaire offers a new and far-reaching development in automatic refrigeration. Now you can regulate, at will, the temperature in the freezing compartment.

QUICK FREEZING

If, for any occasion, unusually quick freezing of ice cubes is desired, just set the control lever at "Colder". The temperature drops! Freezing is accomplished with much greater speed.

In the freezing of desserts, various ingredients require different temperatures for best results. The Frigidaire Cold Control enables you to set the temperatures of the freezing compartment just right for the particular dessert you are freezing.

The New Frigidaire is now equipped with the "Cold Control" without added cost to the buyer. Its adoption is in keeping with the policy that has established Frigidaire's leadership and made it the choice of more buyers than all other makes of electric refrigerators combined.

MAY WE SEND YOU THESE BOOKS?

We should like to tell you more about the New Frigidaire . . . what it will do . . . the work and bother it will eliminate . . . the protection it offers to health. We want to give you a book of recipes for the new delicious desserts that can now be made so easily and quickly. And we want you to know how Frigidaire can be bought on the easiest of terms.

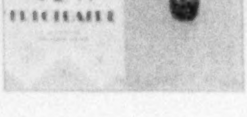
You can get the complete facts at any Frigidaire display room, or mail the coupon and we shall gladly send you copies of the recipe book and the New Frigidaire catalog. Frigidaire Corporation, Subsidiary of General Motors Corporation, Dayton, Ohio.

FRIGIDAIRE CORPORATION,
Dept. Y-314, Dayton, Ohio.

Please send me copies of the Frigidaire Recipe Book and the new catalog.

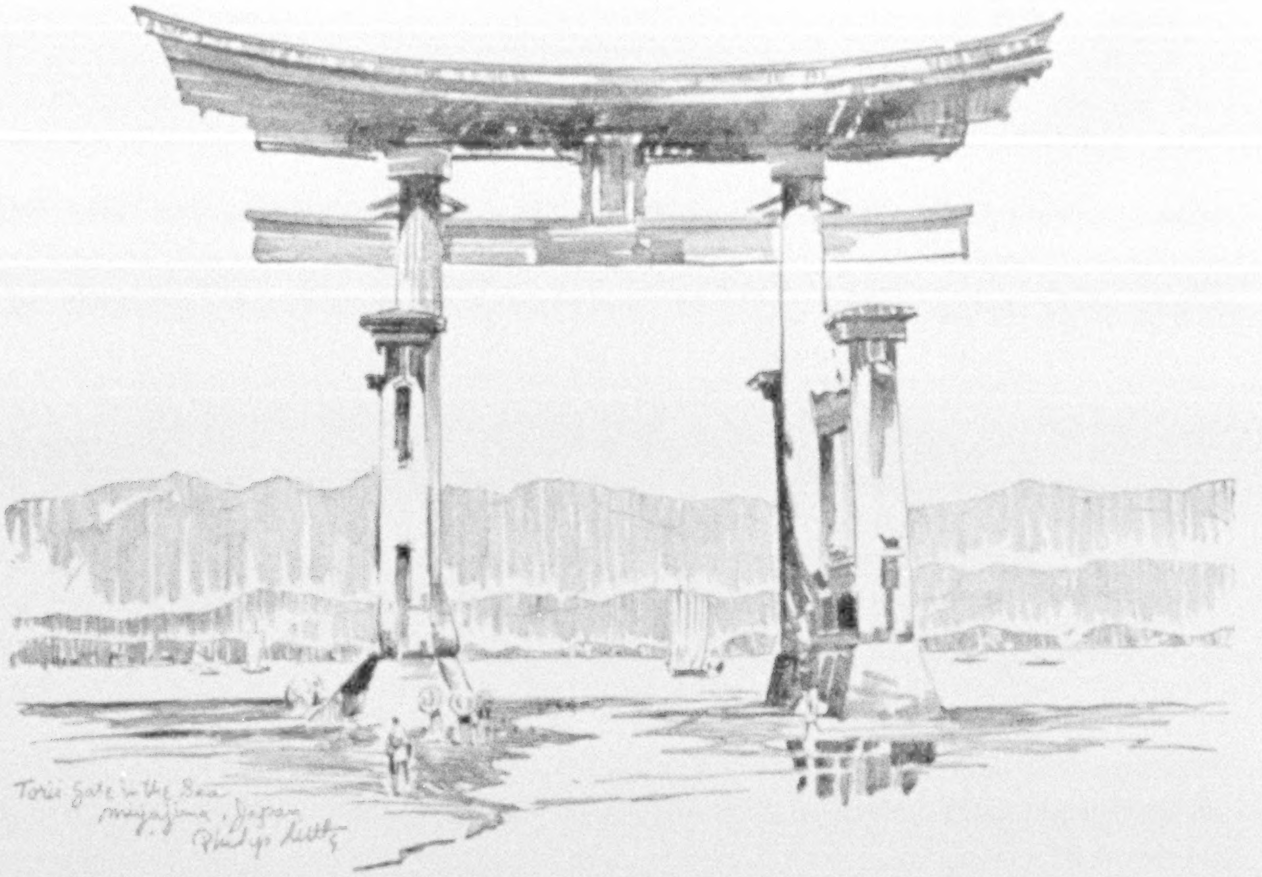
Name. . . . .

Address. . . . .



FRIGIDAIRE

PRODUCT OF GENERAL MOTORS



大統領号に御乗船下さい

Add joyous days in Japan — Korea too

You go as you please Round the World under the advantages offered by this unique steamship service. Stop where you wish for as long as you like within the two-year limit of your ticket. Your fare, including meals and accommodations aboard ship, as low as $1250 Round the World.

Every week a palatial President Liner sails from Los Angeles and San Francisco for Honolulu, Japan, China, Manila and thence on fortnightly schedules to Malaya, Ceylon—with easy access to India—Egypt, Italy, France, New York and via Havana and Panama to California.

Every fortnight a similar liner sails from Seattle for Japan, China, Manila and Round the World.

Magnificent liners, they offer outside rooms with beds, not berths. Spacious decks. A swimming pool. Luxurious public rooms. A world-famous cuisine.

From New York to California a Round the World President Liner sails every fortnight via picturesque Havana and the Panama Canal.

COMPLETE INFORMATION FROM ANY STEAMSHIP OR TOURIST AGENT

DOLLAR
STEAMSHIP LINE
AND
AMERICAN
MAIL LINE

25 AND 32 BROADWAY, NEW YORK; 604 FIFTH AVE., NEW YORK, N. Y.; 210 SO. SIXTEENTH ST., PHILADELPHIA; 177 STATE ST., BOSTON, MASS.; 110 SOUTH DEARBORN ST., CHICAGO, ILL.; 514 W. SIXTH ST., LOS ANGELES, CALIF.; ROBERT DOLLAR BLDG., SAN FRANCISCO; 1005 CONNECTICUT N. W., WASH., D. C.; DIME BANK BUILDING, DETROIT; UNION TRUST BLDG., CLEVELAND, OHIO; 152 BROADWAY, PORTLAND, OREGON; 21 PIAZZA DEL POPOLO, ROME, ITALY; 11 BIS RUE SCRIBE, PARIS, FRANCE; 22 BILLITER STREET, E. C. 3, LONDON; 4TH AT UNIVERSITY, SEATTLE, WASH.; YOKOHAMA, KOBE, SHANGHAI, HONG KONG, MANILA.

Perhaps you can spare the time to see JAPAN still more thoroughly . . . the Inland Sea, a mirror of densest blue, splashed with carelessly flung islands, wantonly scratched here and there with a steamer's wake. There is Hiroshima, for instance, modern in comforts yet pre-Perry in appearance and manner . . . Niyajima, with its sea-girt temple arch, its sailing boats and whispering pine forests . . .

At Shimoneseki you may wish to slip over to Korea, continental Japan, across battle-famous Tsushima Straits . . . Korea, with its sacred male top-knots protected from evil spirits by transparent "fly-trap" hats, its men strutting forth from mere mud-brick hovels in snowy white gowns . . . ancient Seoul . . . Korea, with its toiling bulls and cantankerous little stallions, its royal tombs, demon temples, Kongosan, or the "Diamond Mountains."

You will do well not to miss Kiushu, Japan's mountainous southern island, where Nature prepares hot baths for a multitude. You may care to drop on down to Formosa, Japan's tropical memento of her war with China, producing most of the world's camphor and famous for its fenced-in tribes of head hunters . . . And at length photograph-forbidden Nagasaki, with its narrow streets and its makers of parasol hats, and many a hillside cottage that will carry your mind back to "Madam Butterfly."

AMERICAN MAIL LINE
DOLLAR STEAMSHIP LINE SAN FRANCISCO

Harry A. Franck

World Traveler and Author of
A VAGABOND JOURNEY AROUND THE WORLD.
WANDERING IN NORTHERN CHINA.
EAST OF SIAM.

"Dull" Teeth—"Discolored" Teeth

Result from dingy film

How to remove film—the question millions are asking. Now a special film-removing formula is urged by dentists. Please accept free 10-day supply

The Film

that discolors teeth and fosters serious tooth and gum disorders

IN a startling number of cases dental science now traces the chief cause of discolored teeth and serious tooth and gum disorders to a film that forms. When it is removed a marvelous change takes place. Teeth become dazzling white and are less subject to decay. Gums grow firmer and regain their rose-like color. By all means test its powers for 10 days free.

Film—its dangers

Run your tongue across your teeth and you will feel the dreaded coating—film. It clings to crevices and stays. It absorbs ugly stains from foods and smoking.

Film hardens into tartar—thus invites decay. Germs by the millions breed in it. And germs with tartar are the chief cause of pyorrhea.

How the new way removes film

Brushing fails to remove film successfully. Now the world of science produces a special film-removing agent. First it curdles film. Then light brushing easily removes it.

Teeth begin to whiten. The danger of decay is removed. The source of pyorrhea and bleeding gums is combated. And many of the ills that appear in later life are immeasurably lessened.

Try this way for 10 days—Free

Remove film by this method for 10 days. A glorious surprise awaits you. Teeth regain sparkling whiteness. Smiles grow far more charming. This is a great step toward a winning personality. The greatest movie star could never have succeeded with dull, unattractive teeth.

Get a full-size tube wherever dentifrices are sold, or send coupon below to nearest address for free 10-day tube.

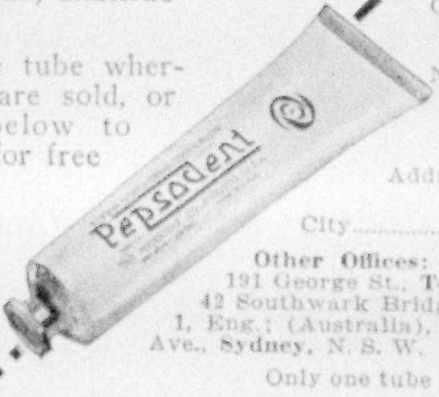
FREE 10-DAY TUBE

Mail Coupon to
The Pepsodent Co.,
Dept. 193,
1104 S. Wabash Ave.,
Chicago, Ill., U. S. A.

Name..
....
Address..
City..

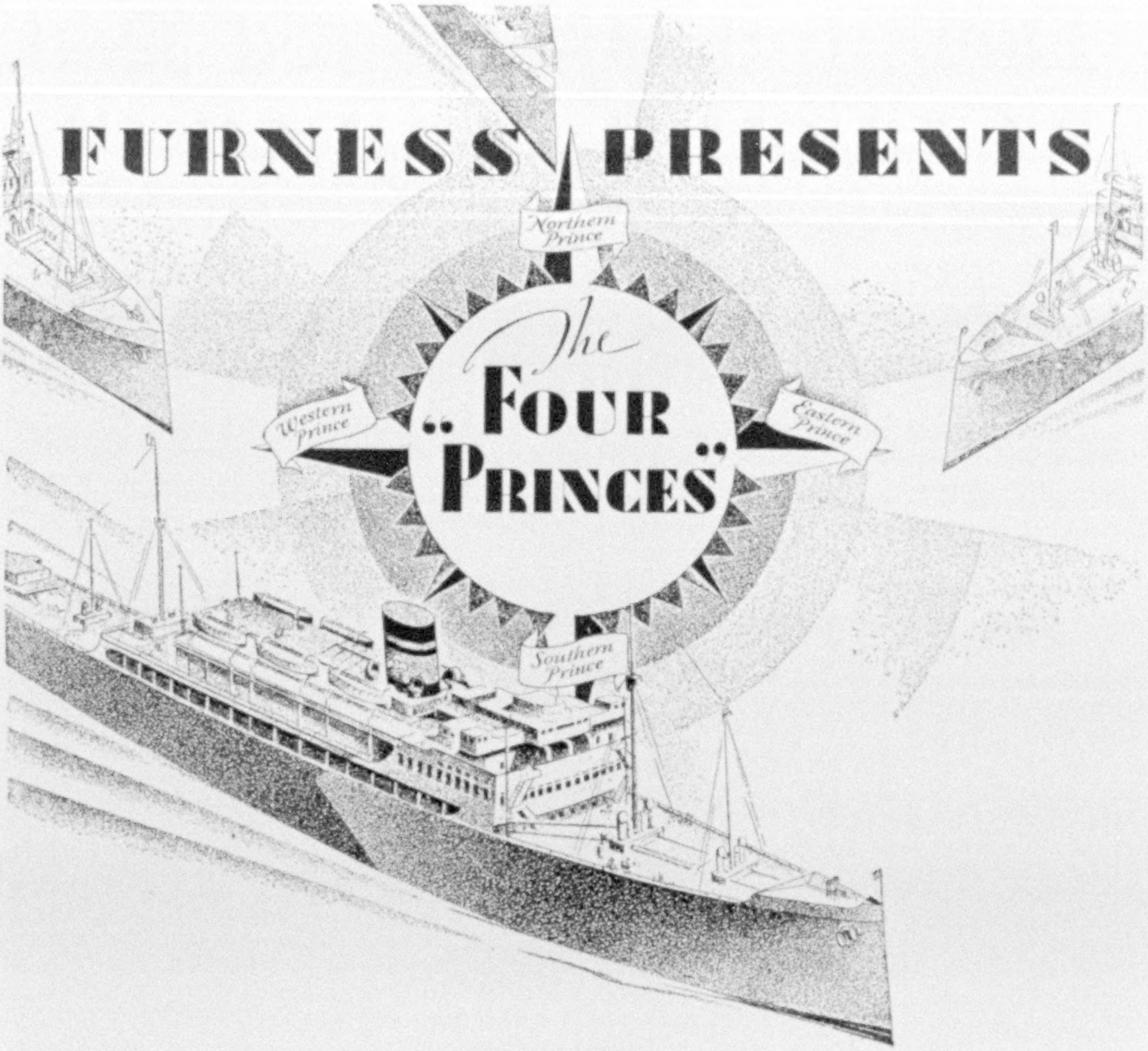
Other Offices: The Pepsodent Co., 191 George St., **Toronto** 2, Ont., Can.; 42 Southwark Bridge Rd., **London,** S. E. 1, Eng.; (Australia), Ltd., 72 Wentworth Ave., **Sydney,** N. S. W.

Only one tube to a family 3146



Pepsodent

The Special Film-Removing Dentifrice


FURNESS PRESENTS
The "FOUR PRINCES"
Northern Prince
Western Prince
Eastern Prince
Southern Prince

Introducing **Four New Motorships and a New Era in Travel to SOUTH AMERICA**

The Spring of 1929 will see the Four Princes off on a regular bi-weekly service from New York to Rio de Janeiro, Santos, Montevideo and Buenos Aires — a service befitting the world's foremost travel clientele. ¶ From their twin Diesel motors to their modern decorative motifs, the "Northern Prince", "Eastern Prince", "Southern Prince" and "Western Prince" embody the progress of the Americas. Exceeding 500 feet in length and 17,300 tons displacement, each offers lavish quarters peculiarly adapted to the South American voyage. Each is equipped with every modern device for safety. ¶ Literature and reservations now available at authorized tourist agents or at Furness Prince Line, 34 Whitehall Street, New York City.

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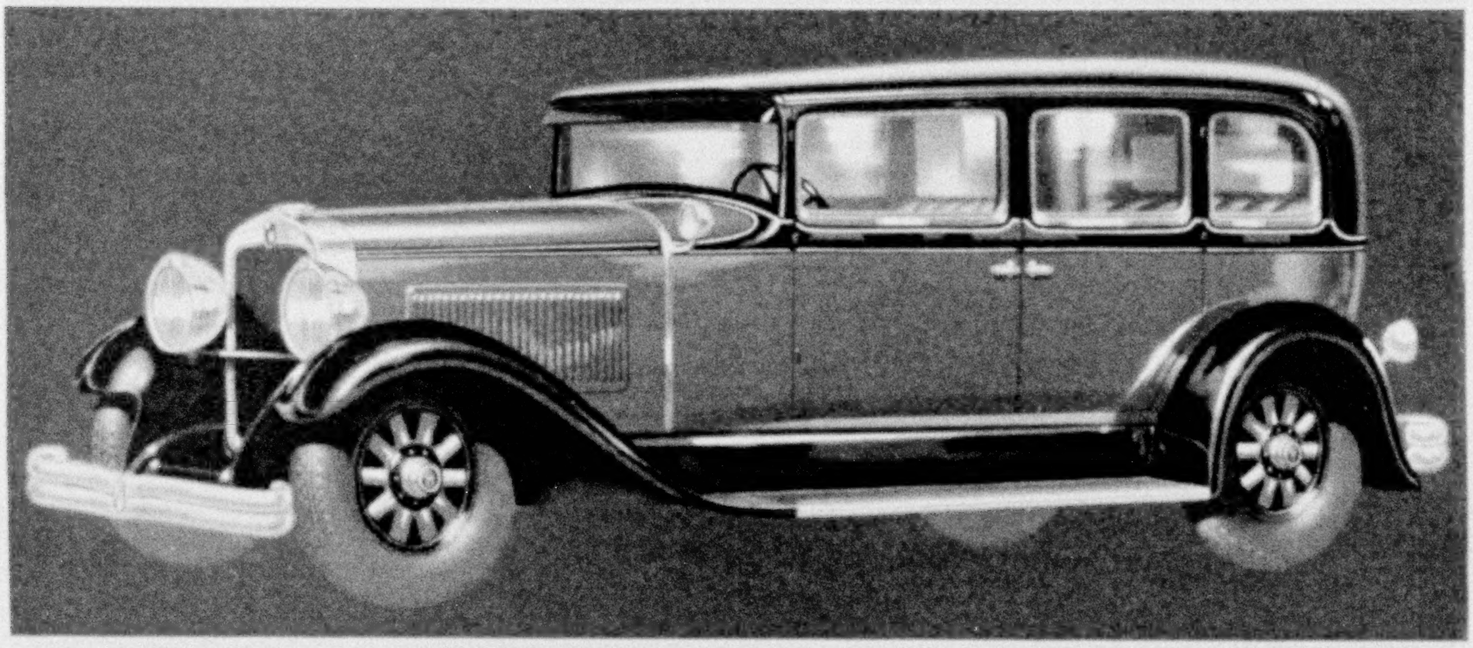

The New NASH "400"

is the only car with *all* these outstanding features as regular equipment *at no extra cost* . . .

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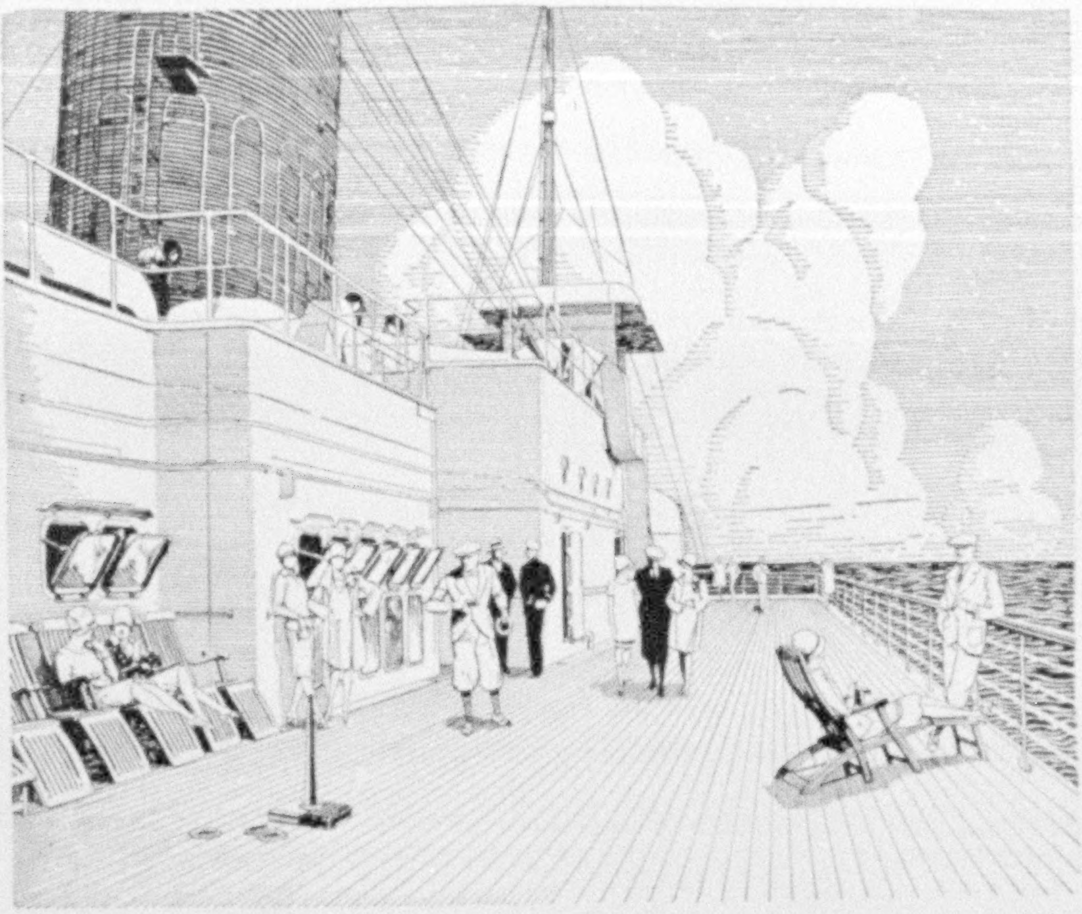
Motor Car Value



Visit Europe now and sail on American ships

BOOKINGS for the coming season indicate the great popularity of United States Liners. The travel-wise have taken the hint: they're going over in April and May, when there's more room on board; a wider choice of accommodations; European hotels and resorts are at their best; money's saved because of lower rates. Those who *must* vacation in summer are booking passage *now,* since they know why these ships are so much in demand: courteous, attentive stewards who speak your own language; a famous cuisine; cozy, home-like, luxurious staterooms; high American standards of comfort throughout the ships.

Your friends will know that you are travel-wise if you plan your trip at once on the speedy *Leviathan,* the world's largest liner, or on one of the five delightful cabin ships, *George Washington, America, Republic, President Harding,* or *President Roosevelt.*

United States Lines

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UNITED STATES SHIPPING BOARD

Like three continents-
-but with ideal weather for sightseeing

YOU'LL see a rearing peak, snow clad in June. You'll see a gay and colorful watering place. Here are Spanish missions, centuries old . . . crumbling, yet inspiring still . . . monuments to saintly Padres who first brought civilization to this land.

A rocky headland resembles a stretch of the Riviera. A desert like Sahara provides the unique foliage of the sandy waste. Gardens of rare blossoms are set in velvet lawns.

Giant monarchs of the forest contrast with the green acres of oranges. Vast wildernesses are but a short day's ride from famed hotels and restaurants.

An island playground rises from the sea. A great valley, once a desert, grows tropic fruits.

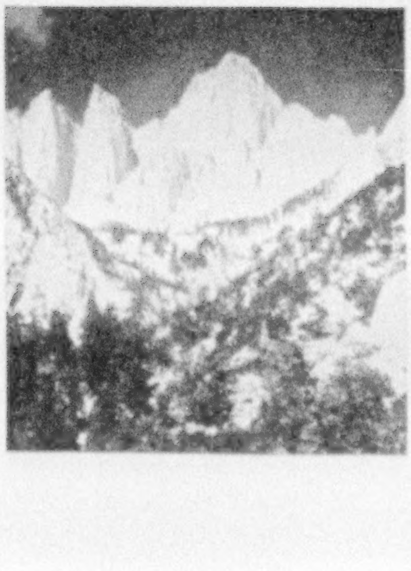
See rare beauties, hundred-mile views. Motor over mile-high mountain boulevards. These sights . . . a trip abroad, in fact, in your own America . . . are yours this summer if you choose.

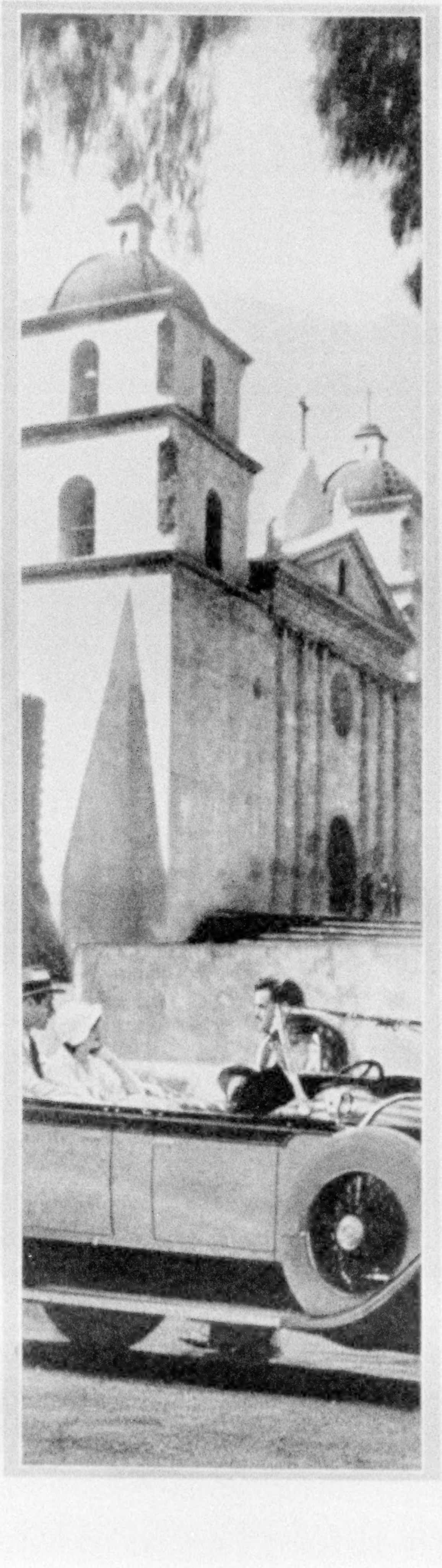
Your favorite sport is here, better than you've ever known it to be. Choose a mountain trail or a meadow for your bridle path.

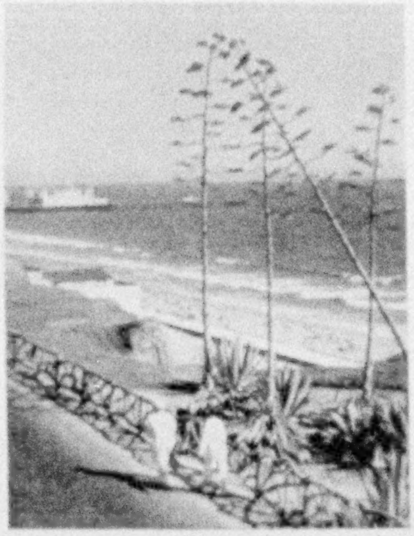
Play golf on 65 courses. Fish for deep-sea fighters or the game trout of mountain brooks. Hike along a mountain range. Camp in a primeval forest. Sail before a fresh ocean breeze. Swim in the surf or loaf on the sunny beach.

Rest. Relax. The change is what you need. New sights, new surroundings, outdoor exercise, constant activity or lazy idleness according to your whim.

Where is this land? It's Southern California, where perfect days invite exercise, where cool nights mean restful sleep.







Summer days are cool, comfortable and free from humidity. The secret lies in the prevailing westerly winds which blow over the cool Pacific. By sundown, even in July or August, there is a touch of chill in the air.

It's practically rainless, too, in summer. You can spend every waking hour out of doors.

You will find much of interest in the orchards of oranges, lemons, dates, avocados, and other semi-tropical fruits. The agricultural crops of Los Angeles County alone approximate $95,000,000 annually and its oil fields represent an investment of a billion dollars. Los Angeles, largest city on the Pacific Coast, with its moving-picture industry, its gay theaters, restaurants and clubs, is a source of unending attraction.

Send for a new book, "Southern California Through the Camera" . . . a work of art . . . 73 large pictures in gravure showing magnificent scenery, sports, musical and social events.

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Please send me your free book, "Southern California Through the Camera." Also booklets telling especially of the attractions in the counties which I have checked.

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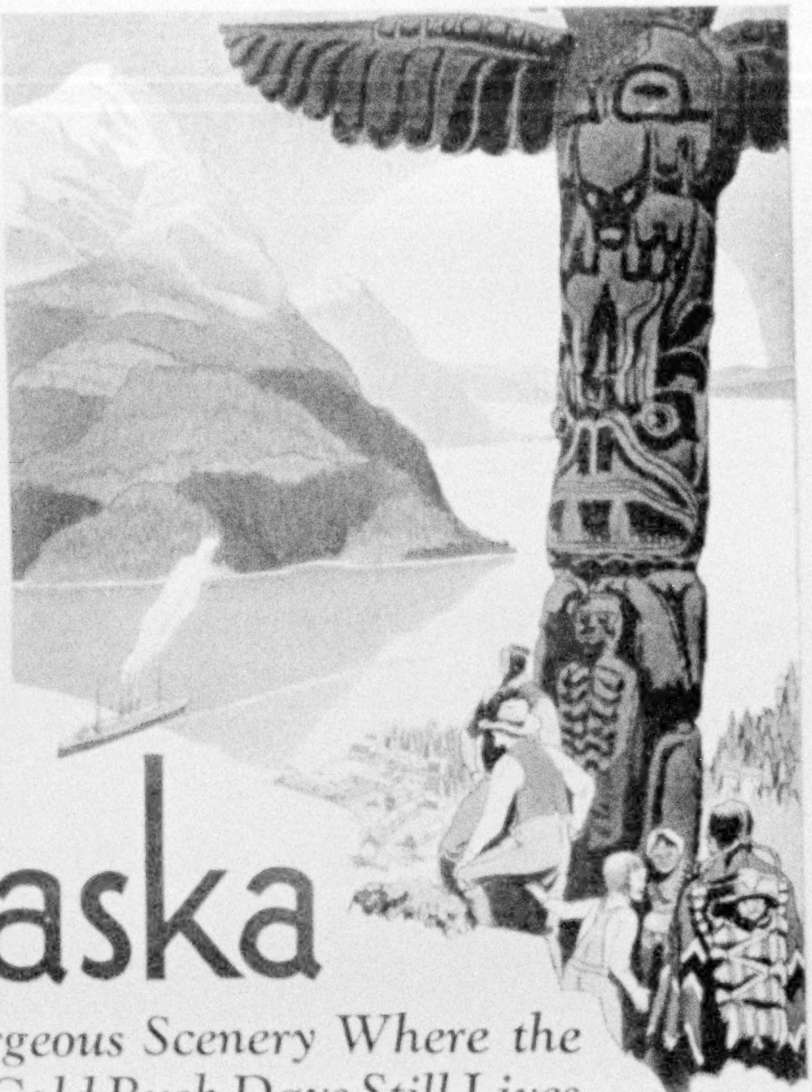

Alaska

Land of Gorgeous Scenery Where the Romance of Gold Rush Days Still Lives

Come north this summer. Cruise a thousand miles through the calm waters of the "Inside Passage" to Alaska—land of sky-piercing mountains, giant glaciers, valleys ablaze with wild-flowers—land of romance and gold. A delightful ten-day voyage; stops ashore at Ketchikan, Wrangell, Juneau and Skagway, with their quaint native homes and grotesque totem poles.

From Skagway follow the "trail of '98" through the once dreaded White Pass, across Dead Horse Gulch to Lake Bennet and Whitehorse; on to Dawson and Nome if time permits. See the "ghost towns" which stand as silent and deserted reminders of the Klondike gold rush.

Make this glorious tour to Alaska over the Jasper Park-Pacific Route across Canada—stopover at Minaki in the Canadian Lake and woods Country and at Jasper National Park in the heart of the Canadian Rockies.

The whole trip is one of comfort and relaxation—de luxe train service across the continent—palatial Canadian National Steamers with large airy lounges and smoke rooms—dancing and music—excellent cuisine, deck sports, promenades. Put Alaska on your program this summer

For information on Alaska tours — consult the nearest Canadian National office.

Send for this booklet on Alaska

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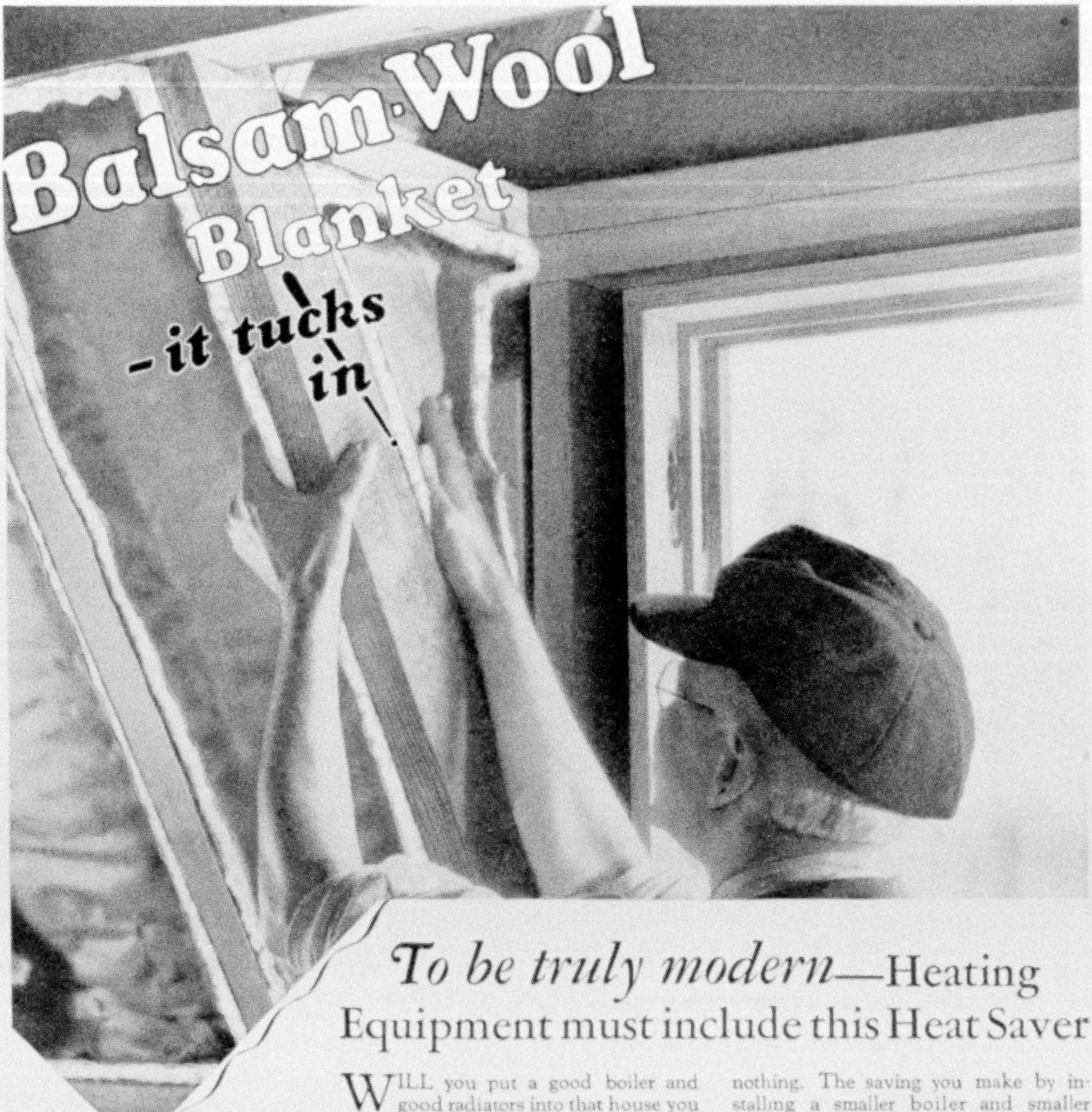

To be truly modern—Heating Equipment must include this Heat Saver

Balsam-Wool is a guaranteed Weyerhaeuser product — a blanket of fluffy wood fibre that looks and acts like sheep's wool. It is TRUE Insulation—keeping the house warm in winter and cool in summer—because it is—

FLEXIBLE-THICK
EFFICIENT
WINDPROOF
WATERPROOF
FIRE RESISTANT
VERMIN PROOF
LIGHT WEIGHT
PERMANENT

WILL you put a good boiler and good radiators into that house you are building or re-modeling—*and stop there*—losing a third or more of the costly heat by leakage through the walls and roof?

Or will you make your heating equipment *complete*—and your home really modern—with a thick *flexible* blanket of Balsam-Wool?

Balsam-Wool is an essential part of modern heating equipment. Soft and effective as sheep's wool, it lines the roof and walls, tucks into every nook and cranny—keeps costly heat indoors where it belongs.

Balsam-Wool will cost you almost nothing. The saving you make by installing a smaller boiler and smaller radiators pays all or at least a large part of its cost. The fuel you save ever after is clear gain.

Whether you are building a new house—or would like to make your present one more modern and livable—you should know more about Balsam-Wool. It is sold through lumber dealers. Send the coupon for free sample and instructive free booklet.

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Gentlemen: Please send free sample of Balsam-Wool and booklet "House Comfort that Pays for Itself." I am interested in insulation for

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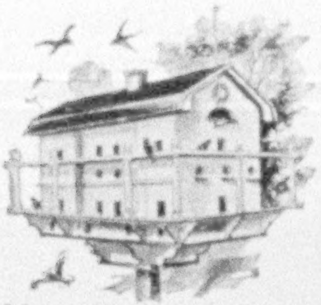
INVITE THE HAPPY LITTLE

SONG BIRDS

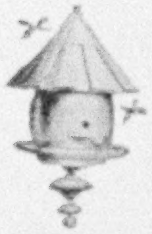
TO YOUR HOME GROUNDS



Martin House of 48 Rooms

by putting up houses built to fit the needs and habits of each little tribe. Enjoy seeing and hearing the beautiful little song birds singing or working in your garden, hunting the cutworms, bugs, moths, caterpillars and other annoying insects which devastate your choice trees, shrubs and flowers. Martins feed from the air and each one destroys thousands of mosquitoes every day.

They Are Looking for Homes



Wren House

and your thoughtful provision of the kinds of homes they like, water to bathe in and some simple foods they crave will bring multitudes of beautiful and useful song birds to your garden year after year.

DODSON scientifically designed and artistic bird houses are a feature in the most beautiful estates, country clubs and parks all over America. They are in a class by themselves on account of their superiority in design, material and workmanship. Sold only direct at prices even owners of modest homes can well afford.

FREE This fascinating book, "Your Bird Friends and How to Win Them," sent to anyone who loves our beautiful song birds. It illustrates, describes and gives prices on all styles of bird houses, shelters, bird baths, special foods, etc. Mailed free on request.

JOSEPH H. DODSON, Inc.
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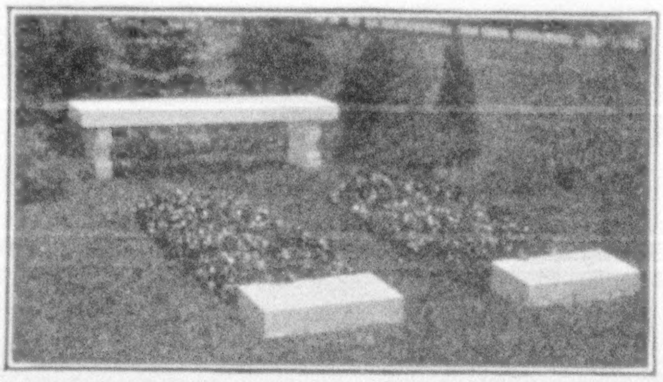

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THIS perfectly balanced memorial composition, so simple and yet so dignified and beautiful, is typical of the superior work of the House of Harrison. Whether you wish a simple marker or a stately mausoleum, here you will find a choice of distinguished designs,* each faultlessly executed. May we send you a portfolio of photographs? Send for Booklet C.

*Special designs incorporating your suggestions submitted without obligation.

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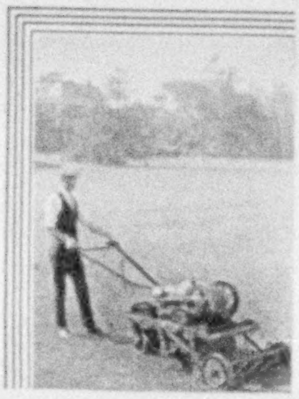

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Ideal Power Lawn Mowers are the logical way to handle every lawn that is too large for hand cutting.

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Simply and sturdily built, Ideal Mowers have proven through more than ten years' service their ability to perform at the minimum cost—and to make a smooth, clean job of it.

Send today for illustrated booklet listing all types and sizes of mowers.

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In a special file for the purpose are hundreds of letters that fairly glow with praise for Spring-Air. Every day new letters are added. I presume they are worth thousands of dollars to us, but to me their value can't be measured that way. Money can buy the names and pictures of some society women, but money can't buy the kind of testimonial letters we receive.

Spring-Air

These letters make me glad that Spring-Air is sold direct. They prove that our whole job is simply one of getting people to try Spring-Air. And so I want to loan you this amazing mattress for ten days. Only by sleeping on it can you comprehend the vast difference between Spring-Air and all other mattresses. This trial is entirely at our expense—in no way are you inconvenienced or urged to buy.

If you want to know more about Spring-Air before accepting this offer, mail the coupon for the free book, "Sleeping Relaxed." You'll be interested in the underlying secret that gives Spring-Air its many benefits.

C. D. Karr.

THIS FREE BOOK

Points the way to a lifelong enjoyment of the correct sleep diet. You should have a copy. The coupon brings it—free. Mail it now.

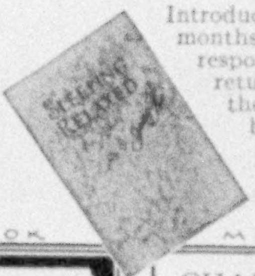
An Amazing Mattress

Outwardly, Spring-Air looks like any other well-made mattress—yet, it is so easy to handle that a little child can carry it. The flexibility is so extraordinary that you can wind it around your arm—yet Spring-Air is built of steel. In a jiffy the removable ticking covers come off—it's that sanitary. Startling? Yes. But in none of these exclusive conveniences do you get the thrill that comes from the amazing comfort of Spring-Air.

Spring-Air Puts You to Sleep Completely Relaxed

Spring-Air brings instant relaxation of every nerve and fiber. Only on Spring-Air can you enjoy the sensation of having your body buoyantly supported in its most restful position. Fatigue vanishes with its poisons; you awake knowing the true meaning of new vitality, finer poise, renewed charm.

Such is the mattress that has been tested and endorsed for you by America's foremost sleep critics. Let Asa Bacon (Superintendent of Presbyterian Hospital, Chicago, Treasurer and past president of the American Hospital Association) speak for the more than 600 prominent hospitals and hotels now using Spring-Air: "*Spring-Air mattresses are giving such wonderful satisfaction that I am equipping our entire hospital with them as rapidly as possible. Our patients as well as the doctors and nurses are perfectly delighted with these beds.*"



Introduced to the public only a few months ago, thousands have already responded. More thousands will return the coupon below. To them—and to you—a book will be mailed that tells the secret of Spring-Air's construction and its many benefits. Send the coupon now.

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CHARLES KARR COMPANY
HOLLAND, MICHIGAN, U. S. A.

SEND FOR FREE BOOK

See . . . . . how simply Spring-Air is constructed, how easy to handle—and so sanitary. Let the free book explain. Mail coupon now.

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Laughing Malamute

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☐ 4—**Golden Belt Line Tour**, twenty-nine to thirty-one days to Ketchikan, Wrangell, Juneau, Cordova, Miles' and Childs' Glaciers, Chitina, Richardson Trail, Fairbanks, Mt. McKinley, Anchorage, Seward, Prince William Sound, Latouche, Valdez, Gulf of Alaska, Inside Passage . . $\$551^{\underline{41}}$

☐ 5—**Yukon Circle Tour**, forty days visiting principal cities of Alaska and the Yukon, such as Seward, Mt. McKinley, Fairbanks, Nenana, Tanana, Fort Yukon (Inside the Arctic Circle), Dawson, Whitehorse, Atlin and Skagway with stops at Ketchikan, Juneau and other Alaskan ports . $\$625^{\underline{00}}$

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Reservations
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Follow the dawn to England and land at Plymouth or Southampton and feel as if you were stepping into a landscape of Turner or Gainsborough. England, the natural door to Europe, is as dainty as a madrigal and really welcomes Americans.

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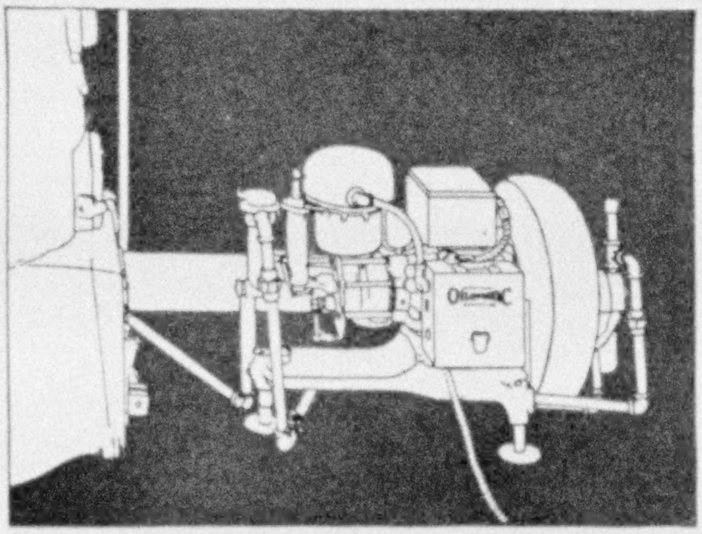

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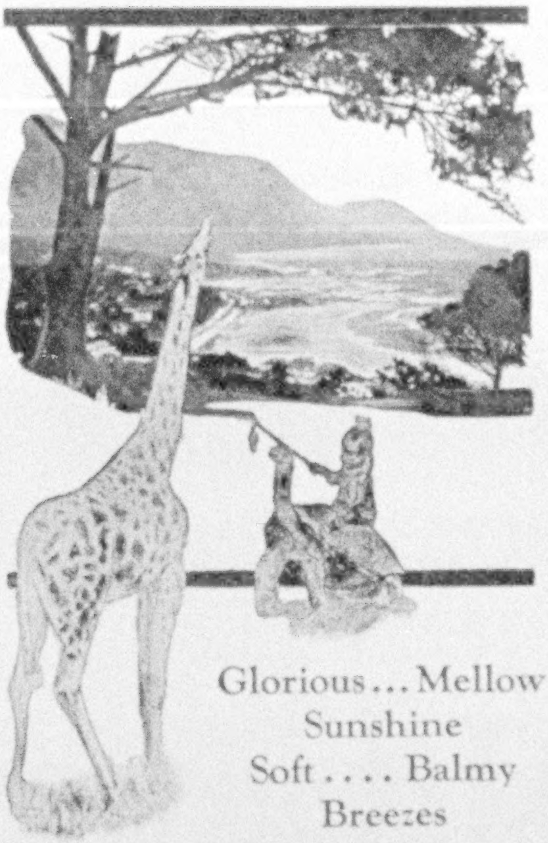

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South Africa

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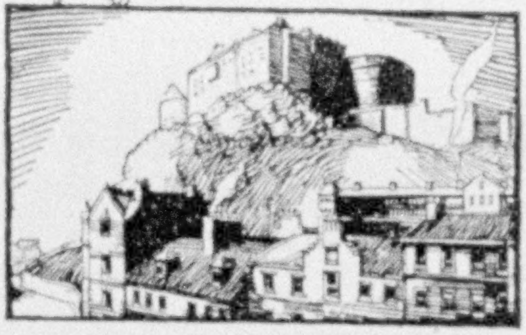


No field of travel is more interesting to Americans than the East Coast route which leads northward from London to bonnie Scotland.

As you reach the borderline the shades of the past seem to lift and reveal Scottish history in all its vividness. Edinburgh, the mediaeval and heroic, scene of a thousand fights, harmonizes delightfully with the Edinburgh of today.

Mighty Stirling commemorates the triumph of Robert the Bruce. Fortress-like Glamis with its secret doors and ghostly legends. Selkirk's fatal field. Abbotsford, the Stratford of the North. Balmoral, Highland home of Royalty; Glasgow, St. Andrews and the world renowned Trossachs.

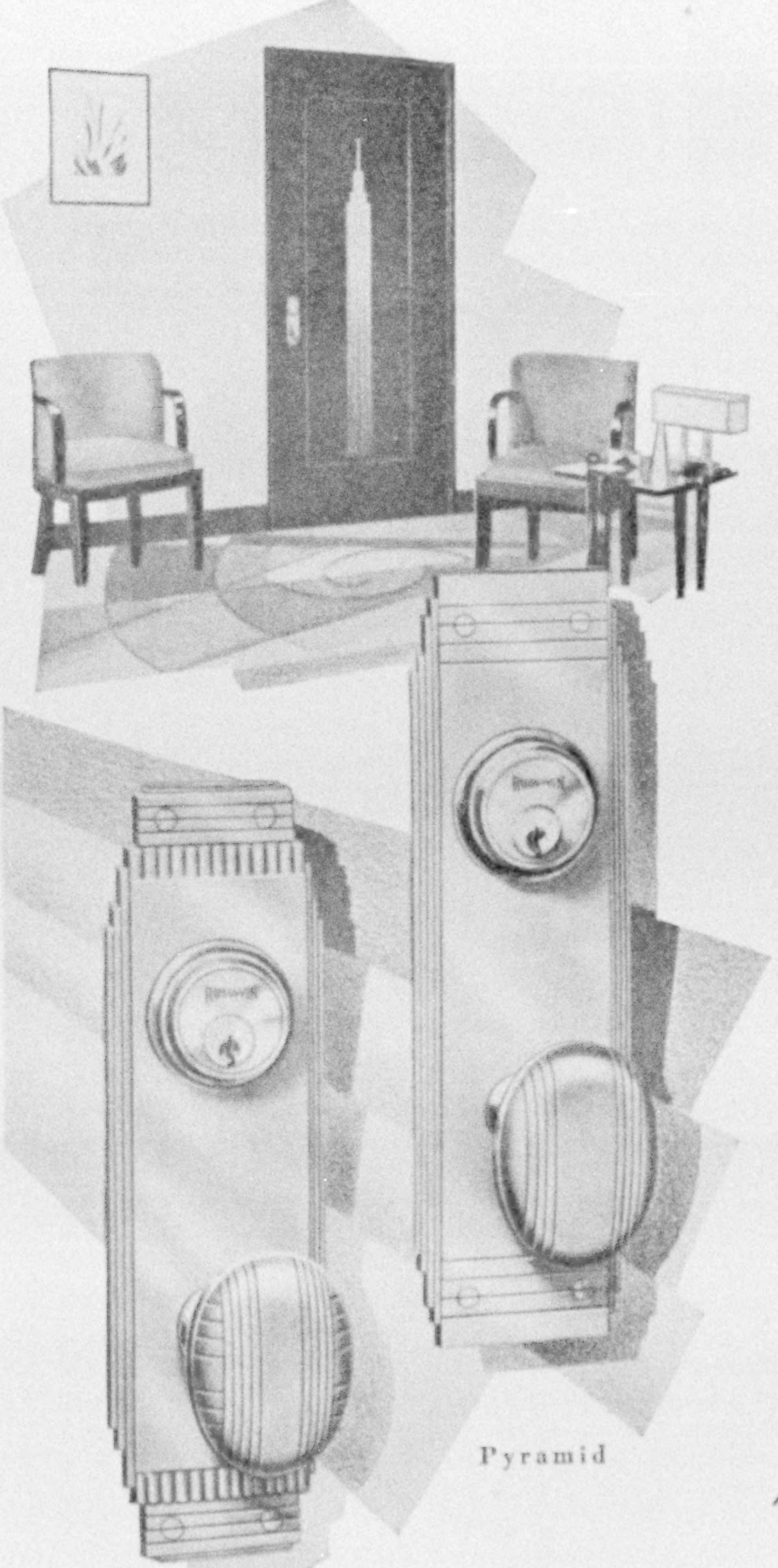
◆

The land of the Bonnie Prince, Robert Burns, Mary Queen of Scots and Wallace will more than repay a visit, for Scotland thrills and refreshes. Intensely interesting trips can be arranged at moderate expense. Write for free, illustrated Booklet No. 70, specially prepared for American visitors.

H. J. KETCHAM, *General Agent*
311 Fifth Ave., New York

London
and North Eastern
Railway
OF ENGLAND AND SCOTLAND

RUSSWIN—Originators of Modernistic Hardware to interpret the decorative motifs of this era



Pyramid

Modart

IN keeping with the trend of the times, Russwin is reflecting in builders' hardware styles that are unique, beautiful and modernistic.

Themes for these distinctive and original designs—two of which are illustrated on this page—have been inspired by the creative efforts of leading architects, and are symbolic of all that is best in modern decorative thought and design.

Above is pictured a section of the reception room in the Russwin New York offices—Murray Hill Building, Madison Avenue at 40th Street. Here may be seen a complete modernistic ensemble in which Russwin Hardware is shown against an appropriate background of specially designed walls, windows, floor coverings, and furniture. Please note, for example, the door trimmings.

To those interested in the modernistic, a visit to these offices will prove a revelation as to what can be accomplished along these lines. An invitation is cordially extended.

SWEET'S ARCHITECTURAL CATALOGUE

See pages 2519-2598 for a listing of Russwin Hardware

R&E
SINCE 1839
RUSSWIN
RUSSELL & ERWIN
DISTINCTIVE
HARDWARE

Hardware that lasts – Base Metals of Bronze or Brass

• • •

RUSSELL & ERWIN MFG. CO.
The American Hardware Corporation, Successor
NEW BRITAIN, CONN.
NEW YORK CHICAGO LONDON

Sheer granite **HALF DOME**
...a mile overhead!

First among all California vacations~

YOSEMITE

NATIONAL PARK

HOW would you enjoy standing in a rainbow-spray at the foot of the world's highest waterfalls... filling your trout-creel from meadow streams and blue lakes in the High Sierra...touring amid the majestic Sequoias, world's oldest living things, in the famed Mariposa Grove of Big Trees?

Take a week on your summer trip West for Yosemite's matchless days of sightseeing—outdoor sports—the nightly firefall, 3200 feet overhead, and novel entertainment under the blazing stars!

The colorful Ahwahnee, open all year, offers a wealth of luxury and comfort. $12 a day upward, American Plan. Other excellent accommodations from $1.50 a day upward in Housekeeping Cabins; $2.50 upward, European Plan and $4 upward, American Plan, at popular Lodges.

All-Expense Tours from $30 to $76.75, cover 2 to 4 days in Yosemite. Ask any travel agent to plan your trip or write us direct for free illustrated booklets.

YOSEMITE PARK AND CURRY CO.
Dept. 172, Yosemite National Park, Calif.
Please send me Yosemite picture booklets

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STREET & CITY ____________________

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between **New York** *and* **CALIFORNIA**

DELIGHTFUL because you travel in the open under sunny care-free skies, through breeze-fanned tropic waters. Healthful, invigorating deck sports galore—swimming, shuffle board, deck tennis, promenading—these are but a few.

Delightful because you visit Havana and see the marvelous Panama Canal—and because you travel in unprecedented luxury on the magnificent new S. S. *Virginia* and S. S. *California*, largest steamers ever built under the American flag, or on the popular S. S. *Mongolia*.

Coast-to-Coast in 13 days. Route: New York, Havana, Panama Canal, San Diego, (Coronado Beach), Los Angeles, San Francisco. Fortnightly sailings. Special garage decks for your auto. Check it with your baggage.

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ZION, BRYCE CANYON GRAND CANYON NATIONAL PARKS

The unearthly splendor of a dream! Here it is, in this vast canyon region—recaptured for you every instant you explore its inexhaustible mystery, its inexpressible majesty.

This seems a land not for man but for Titans, for the early gods. The scale is too vast for us humans to comprehend; but what a place to see! Truly there is nothing at all comparable on our entire planet.

Those cliffs that tower on up to the clouds; chasms deep and wide enough to engulf mountains; color spread in vast splashes, paling or deepening with every change of light and shadow—to see this is to be lifted out of common-place everyday life and be reborn!

No one ever tires of the panorama of the canyons. For here is infinite variety; colossal deer filled forests; immense, painted plains; strange Mormon villages and forts, extinct volcanoes, ruins of incalculable age.

You may go independently, or on an Escorted All-Expense Tour, with interesting people from all over the world. The trip is exclusive with the Union Pacific, and takes only five days by motor-bus after leaving your Pullman at Cedar City, the gateway. Shorter tours to individual attractions. The low cost will astonish you. No other vacation gives so much for so little—and with such economy of time!

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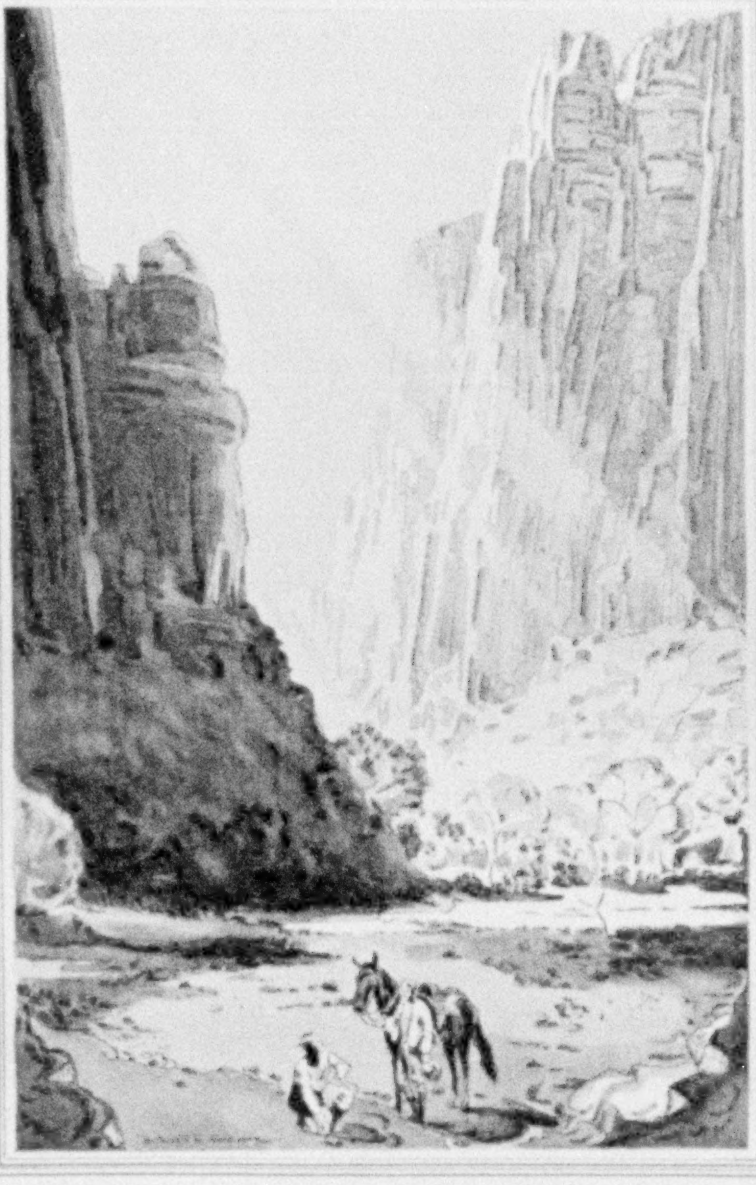

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"THE BECKONING LAND"

Before you plan your trip, write for this beautifully illustrated, authoritative booklet on touring in Virginia, 40 pages with map. Sent Free.

Conservation & Development Commission
Room 137, State Office Building
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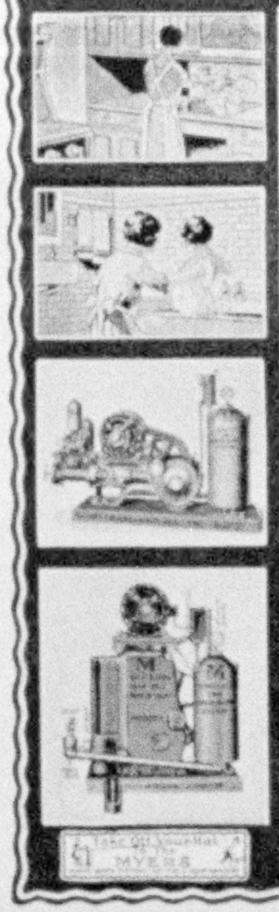
For Your Country Home —a MYERS Water System



RUNNING water in your home—comfort, convenience, protection! Of course you want it. And the place to get your information is MYERS—World Headquarters for pumping equipment for more than fifty years.

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Thousands of homes and estates far from a city water main have long known the dependable, low-cost service of a MYERS Water System. Every MYERS System, whether built for operation by hand, windmill, gas engine or electricity, is rugged, trouble-proof, dependable. MYERS Electric Water Systems are completely automatic — self-oiling, self-starting, self-stopping. Styles and sizes to fit every need; for deep or shallow wells; capacities from 200 to 10,000 gallons per hour.

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THE F. E. MYERS & BRO. CO.
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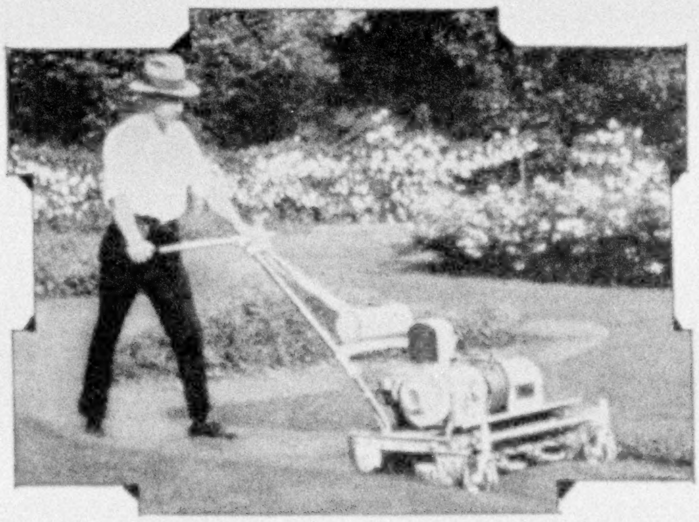


Coldwell "L Twin" Motor Lawn Mower and Roller mows and rolls, simultaneously, 4 to 6 acres a day

NEW POWER LAWN MOWERS By COLDWELL

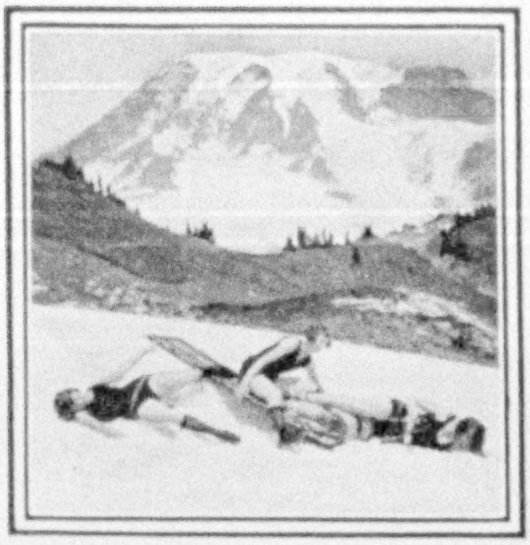
A COMPLETE line of dependable machines in which have been incorporated the most advanced features known to lawn-mower design and construction.

Write to factory for descriptive literature.

For every lawn there is a suitable Coldwell model . . . at the price you want to pay. See them at the local Coldwell dealers.

HAND — HORSE
SINCE 1887
COLDWELL
DEPENDABLE LAWN MOWERS
GASOLINE — ELECTRIC

COLDWELL LAWN MOWER COMPANY, NEWBURGH, N. Y.



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Happy, thrill-filled Vacations *in the* Northwest Wonderland

YELLOWSTONE
RAINIER · PUGET SOUND COUNTRY
OLYMPIC PENINSULA · ALASKA

Let us know the time and funds at your disposal, give us some idea of the things you enjoy most and we will prepare a sample tour for you, made up to your order.

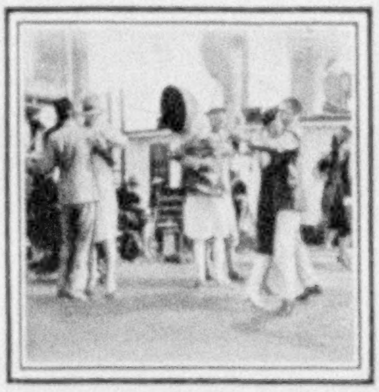
For instance, for less than $300, covering all expenses from Chicago, you can follow the Trail of the Olympian—The Milwaukee Road's famous transcontinental train—to the romantic Northwest. Enroute, through the new scenic, historic Gallatin Gateway, visit Yellowstone Park. See it all; then spend a day or two "dude" ranching; Westward again over the Continental Divide on the World's longest electrified railroad via Spokane to Seattle or Tacoma on Puget Sound.

Low Summer Fares

Trips by rail or steamer to nearby points of interest. Glacier-covered Rainier; Olympic Peninsula with Indians, big game, ocean beaches; Mt. Baker, the "Great white watcher"; quaint Victoria and cosmopolitan Vancouver. Wide choice of routes returning.

All-expense tours—from Chicago—meals, sight-seeing, hotel, everything included—from $142.00 and up; or travel independently taking advantage of low summer fares via The Milwaukee Road.

Read the coupon below carefully. Check it and let us prepare a sample vacation for you.



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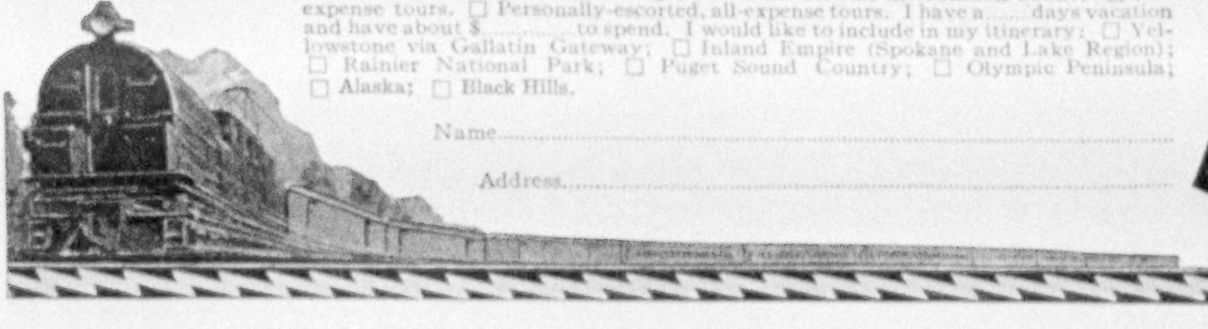

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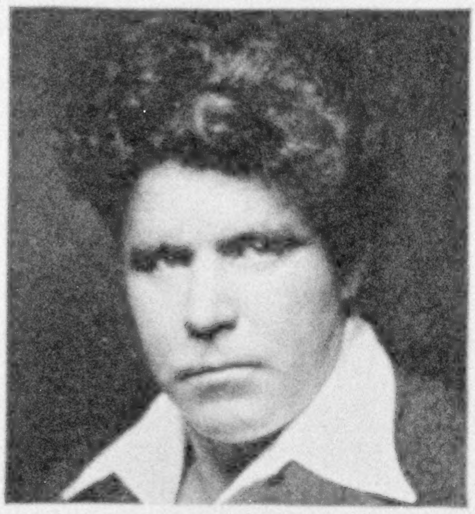
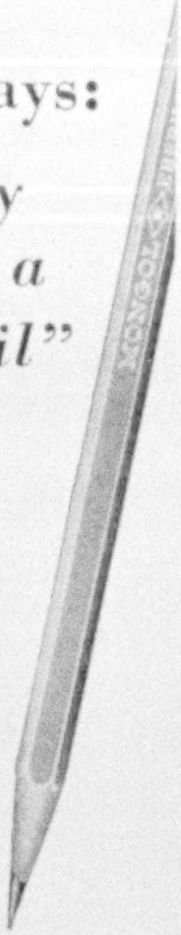
Famous Author of "SHANTY IRISH" says:

"I'm *writing my next book with a* MONGOL *pencil*"





Jim Tully

IN his writings, he re-lives the violent scenes of his youth. His tales are fast-moving, colorful, packed with action. Naturally, he writes fast.

In commenting upon his preference for the Mongol pencil Mr. Tully says:—

"To fix each thought on paper as fast as it is conceived—with an ease that does not tire the hand—the right pencil is of great importance to every writer.

"With the Eberhard Faber pencil-use chart I have found the pencil that exactly suits me. It is the Mongol No. 1—and I am writing my next book with it."

The Eberhard Faber pencil-use chart was prepared to put pencil buying on a sensible, business-like basis for the first time.

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Write for your free copy of this valuable pencil-buyers' chart and guide.

THE RIGHT PENCIL for the RIGHT USE

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TIME is a thief that no safe, lock or bars can foil.

Data written in the course of the usual day's work may be of inestimable value years hence—if it hasn't been seared or obliterated by the ravages of time.

For all usual and unusual writing, use Higgins' Eternal Writing Ink. Your writing, clear and black, will outlast paper on which it is written.

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At all Dealers 15¢

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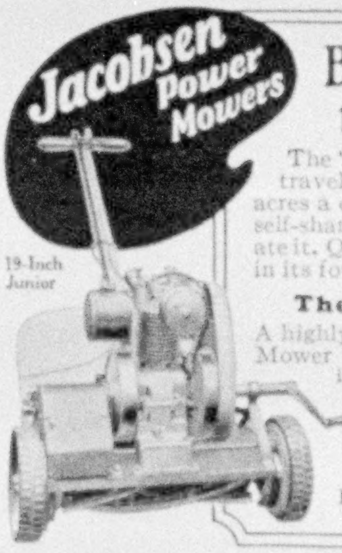
JET BLACK – NEVER FADES – CANNOT BE ERADICATED

For Steel Pens & Fountain Pens



Jacobsen Power Mowers

Beautiful Lawns the Modern Way

The "Junior" Mower, shown here, travels on its own power, cuts 3 acres a day on a gallon of gas and has self-sharpening reel. A boy can operate it. Quality built throughout. Now in its fourth successful year.

The "Estate" Mower

A highly-refined, Roller-type Power Mower with a 24-inch, self-sharpening reel. Preferred by experienced gardeners both in America and in Europe. There's a Jacobsen Mower for every type of lawn. Write for free catalog!

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PRESS the starter button on your Chris-Craft and a wondrous panorama of outdoor pleasure and recreation will unfold.

With a Chris-Craft the business man can get his needed outdoor recreation while he has capacity to enjoy it—can give his family the clean outdoor thrills and pleasures that build both health and character.

Regattas—camping, fishing and picnic excursions—swimming and aquaplaning parties—social events—business trips—all assume new meaning with a Chris-Craft at your hand. Every leisure hour becomes a golden opportunity for recreation and sport for *every member of the family.*

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Eighteen models include: Runabouts, Sedans, Commuters and Cruisers. 22 to 38 feet—30 to 45 miles an hour—82 to 225 horsepower—8 to 26 passengers—$2235 to $15,000.

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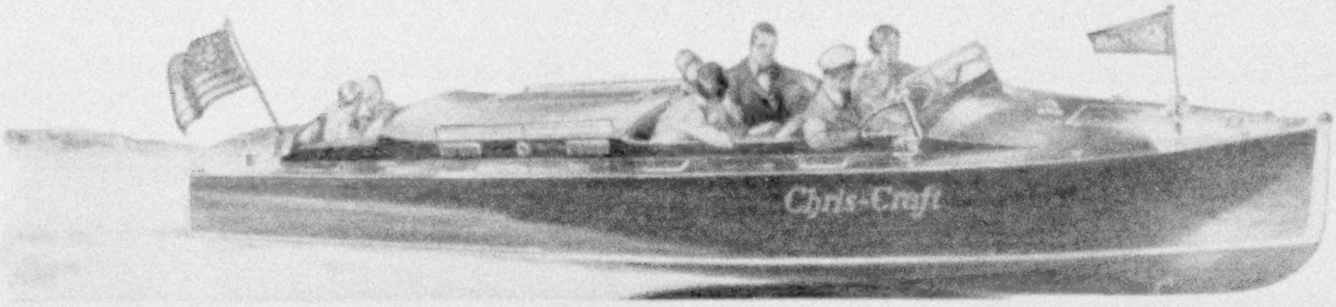

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COME to these mystic lands—where the North Cape rises from the top of the world . . . and Viking haunts bask in the Midnight Sun . . . and sea and mountain meet in rugged fjords . . . lands wild and majestic, crowned with splendid ancient cities.

James Boring's Second Annual North Cape Cruise sails from New York June 29, 1929, for a 38-day voyage. Rates, $550 up, first class only, cover every necessary expense, including shore trips and stop-over home-bound tickets. Membership limited to 480. One management throughout by American cruise specialists.

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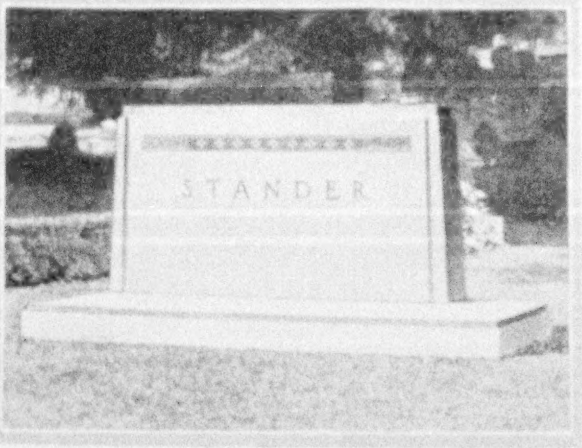

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A beautiful love inscrolled *forever*

THE swelling thaws of spring, the bursting freezes of winter or the eroding rains of summer will never mar or discolor this Guardian Memorial. Centuries will pass over it, and it will remain unchanged. Time cannot harm it. Forever it will stand over this quiet grave, a clear eternal tribute of a beautiful love.

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Guardian Memorials are sold and distributed only through reliable retail memorial dealers.

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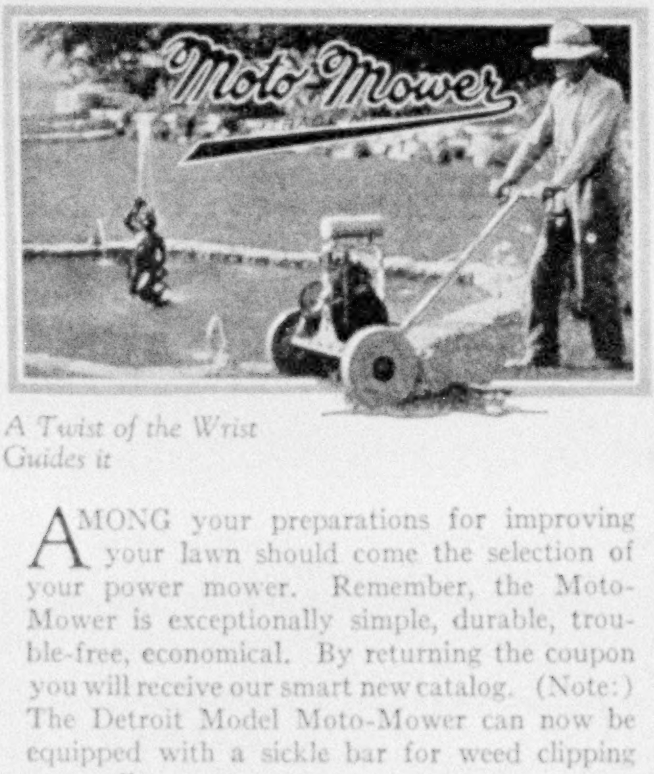

A Twist of the Wrist Guides it

AMONG your preparations for improving your lawn should come the selection of your power mower. Remember, the Moto-Mower is exceptionally simple, durable, trouble-free, economical. By returning the coupon you will receive our smart new catalog. (Note:) The Detroit Model Moto-Mower can now be equipped with a sickle bar for weed clipping at small extra cost.

THE MOTO-MOWER COMPANY
3244 E. Woodbridge St., Detroit, Mich.
Please send the catalog to:
Name ....
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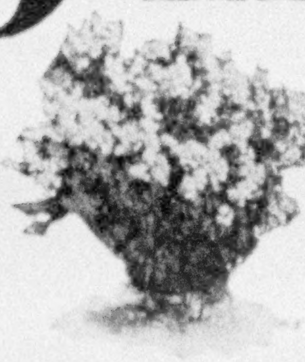
6 new and rare LILACS $10



Showy, Hardy, Easy to Grow.

The late Mr. John Dunbar, famous as Ass't Superintendent of Highland Park, Rochester, N. Y. (home of the wonderful Highland Park Lilac collection), selected these varieties as representative of French hybrids.

VARIETIES
ADELAIDE DUNBAR—Violet red, handsome clusters.
PRINCE NOTTINGER—A strong, rapid-growing variety with large shining leaves. Color carmine, red in bud, lilac when open. Truss large, distinct.
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PROF. STOCKHARDT—Very large panicles of delicate rosy-pink flowers, the individual flowers unusually large. One of the finest.
VIVIAND MORELL—Double clear lilac flowers, having white center with vilaceous reverse. A "pippin."
W. C. BARRY—Broad, large panicles, silvery lavender, fine for cutting.

Strong, vigorous plants—should bloom this spring.
Order now before present stock is exhausted. Ask us for Catalog "G," telling how, what and when to plant. It's free.

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Glenwood Nurseries
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For real Childhood Pictures—there's no other camera like the Graflex.

You never know at what instant you'll have a chance at a picture that will be precious to you for life.

The one camera in which you can watch each moment's fleeting expression exactly as your negative will "see" it—the Graflex.

And now there's a simplified Graflex priced within everybody's reach. 3¼″x 4¼″—$80. Other models $85 to $375.

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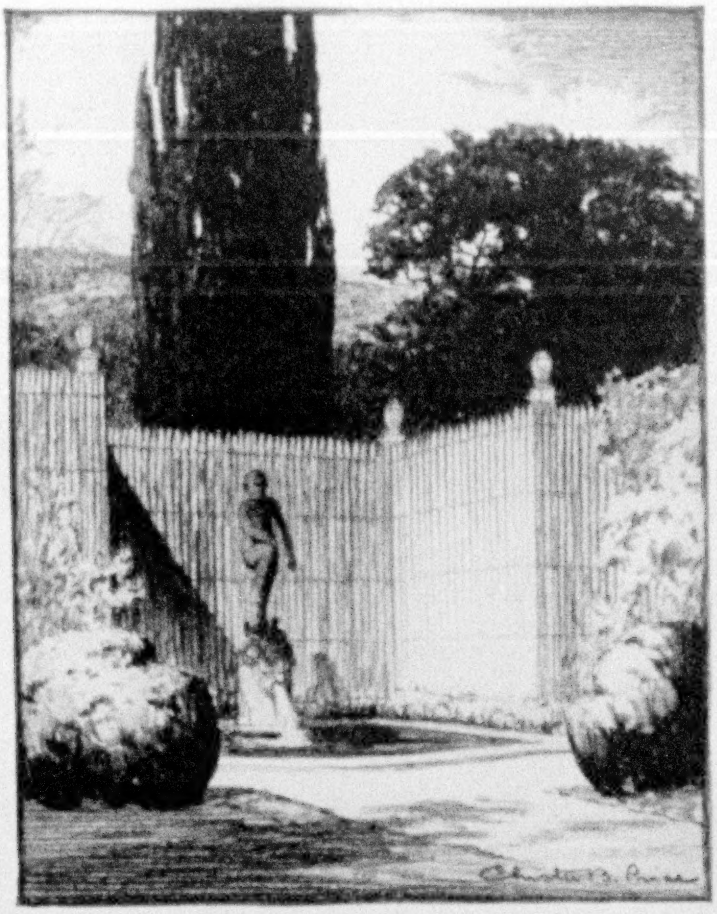
PERFECTLY SIMPLE SIMPLY PERFECT
FOLMER GRAFLEX CORP. ROCHESTER, NEW YORK



BEAUTY ~ *with Peaceful* SECLUSION

HAVE YOU a garden . . . an open lawn . . . or large side yard? You are justly proud of their beauty!

Yet you cannot know the full joy of using them until you experience the tranquil privacy and the gracious protection afforded by Dubois—the rustic barrier that for centuries has hidden away the rarest gardens of France.

Originally introduced to America by the owners of large estates, the charm and versatility of Dubois quickly started the present vogue for its use in suburban communities, city back yards and a multitude of other places where artistic screening had never before been possible at moderate cost. Strong, weather proof, giving years of service without paint or any upkeep expense, Dubois is as practical as it is beautiful.

There is only one Dubois fence; you are cautioned against imitations. It is made in France, of live, split chestnut saplings, woven closely together with rust-proof Copperweld wire. It comes in five-foot sections, ready to erect, and in three heights: 6′ 6″; 4′ 11″ and 3′ 10″

DUBOIS
Woven Wood Fence

See it at leading Flower Shows:
CHICAGO Feb. 23rd to March 3rd
BOSTON March 19th to 23rd
NEW YORK, March 11th to 16th
BUFFALO, April 6th to 14th

ROBERT C. REEVES CO.
101 Park Avenue, New York

We will gladly send illustrated catalog showing many interesting Dubois uses, and price list.

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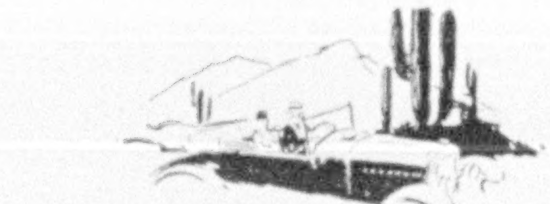

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TUCSON

("Too-sŏhn")

There is always warm, dry sunshine in Tucson—better living conditions—better health and more happiness, too!

Here, from January to December, we play golf (clubs open to visitors), ride horse-back, drive our cars, camp, hunt, fish. Half-mile high Tucson is headquarters for mountain, desert and canyon trips—for excursions to old Missions, Indian villages and Old Mexico.

Oldest and largest municipal airport in the U. S. A.

Write for Sunshine Booklet, then come Rock Island or Southern Pacific. Reduced winter rates and free stop-overs on all tickets.

Tucson Sunshine ~ Climate Club

ARIZONA

Sunshine Club, 804 Old Pueblo Bldg., Tucson, Arizona.
Please send me the "*Sunshine Booklet.*"

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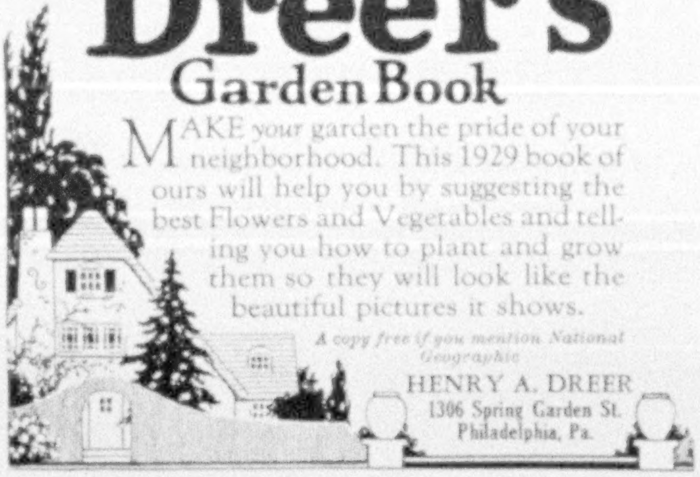
Dreer's
Garden Book



MAKE your garden the pride of your neighborhood. This 1929 book of ours will help you by suggesting the best Flowers and Vegetables and telling you how to plant and grow them so they will look like the beautiful pictures it shows.

A copy free if you mention National Geographic

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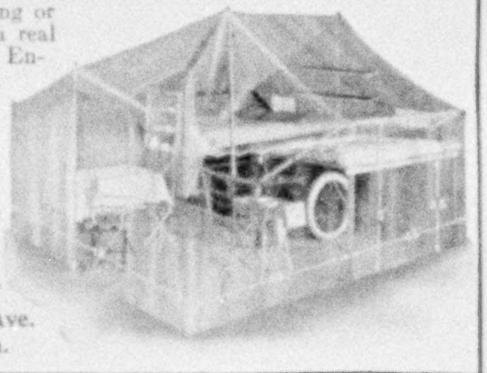
Deaf Hear Again Through New Aid

Earpiece No Bigger Than Dime
Ten-Day Free Trial Offer

After twenty-five years devoted exclusively to the manufacture of scientific hearing-aids, the Dictograph Products Co., Inc., Dept. 107-A, 220 West 42nd Street, New York City, has just perfected a new model Acousticon that represents the greatest advance yet made in the re-creation of hearing for the deaf. This latest Acousticon is featured by a tiny earpiece no bigger than a dime. Through this device, sounds are clearly and distinctly transmitted to subnormal ears with wonderful benefit to hearing and health alike. The makers offer an absolutely free trial for 10 days to any person who may be interested, and a letter will bring one of these remarkable aids to your home for a thorough and convincing test. Send them your name and address today! Advt.

THIS is the WAY to CAMP!

This is the Auto-Kamp Trailer as it appears in camp—fully equipped for the comfort of four adults—a real outfit that follows your car without drag, is easily erected and stands up under severe test. Best materials. Four models. Ideal for week-end camping or extended tours—a real home on wheels. Enthusiastic owners.



Write for Description and Prices

AUTO-KAMP TRAILER CO.
2225 Sheridan Ave.
Saginaw, Mich.

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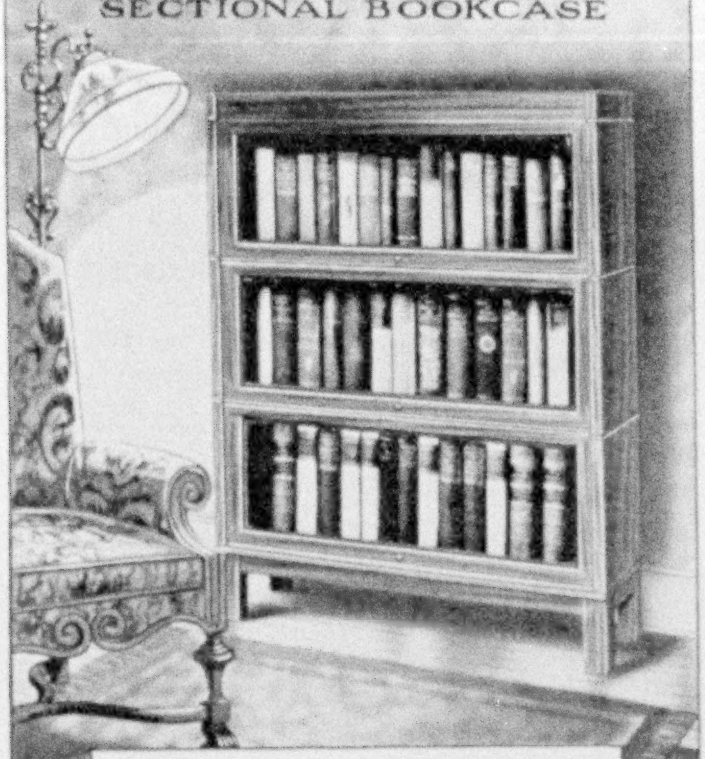

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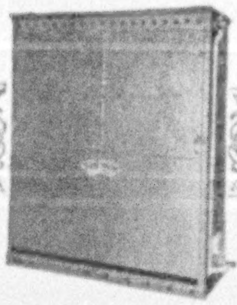

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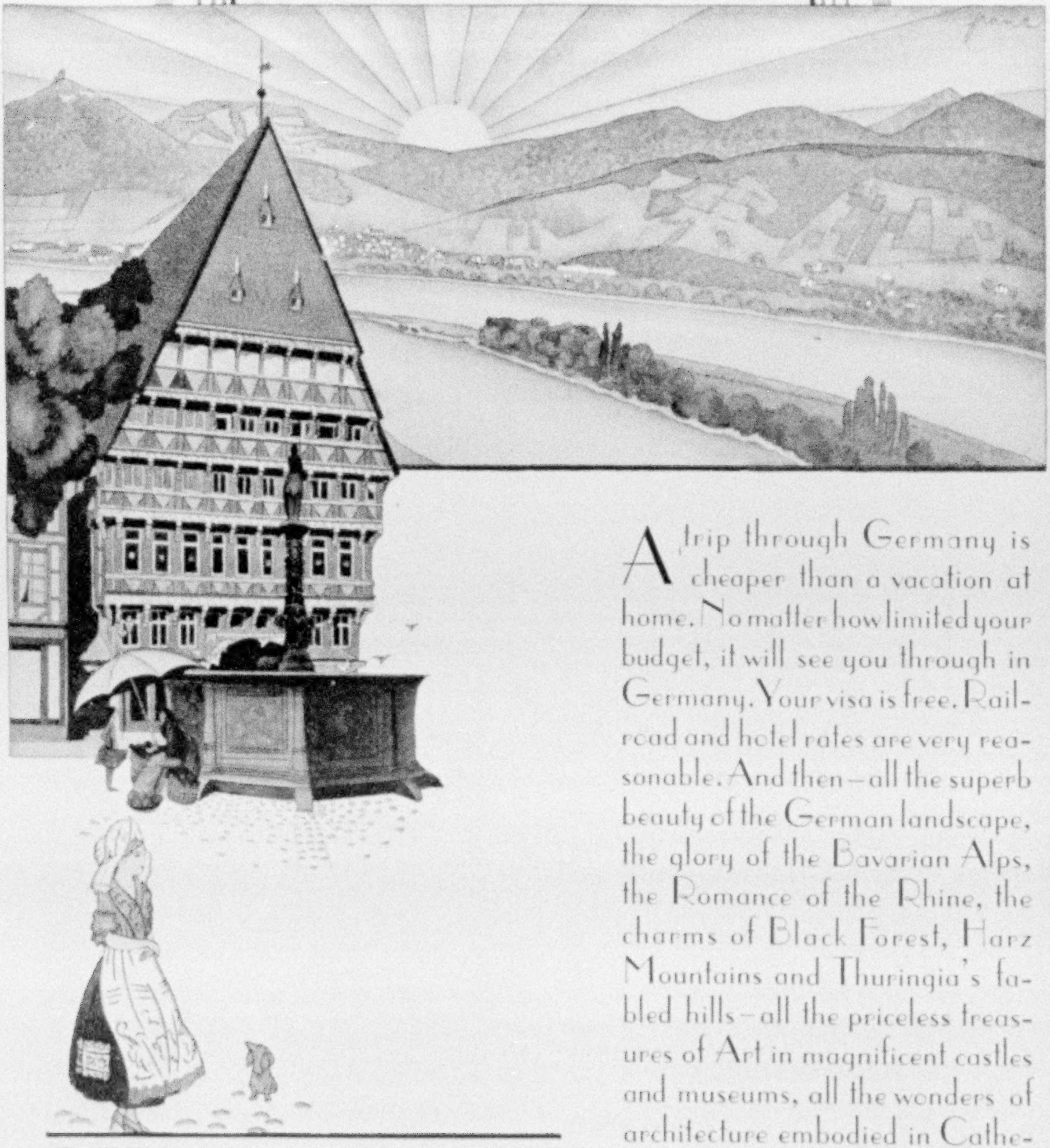

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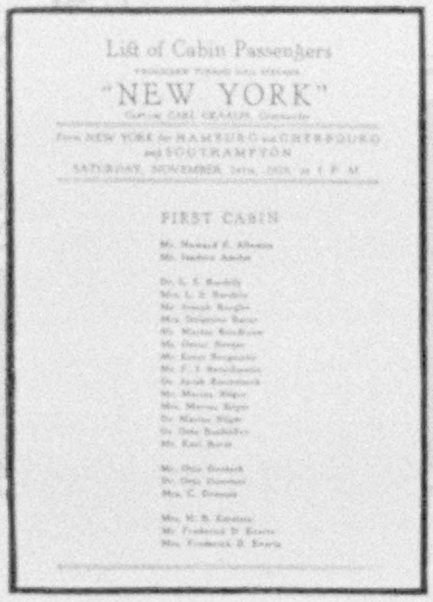

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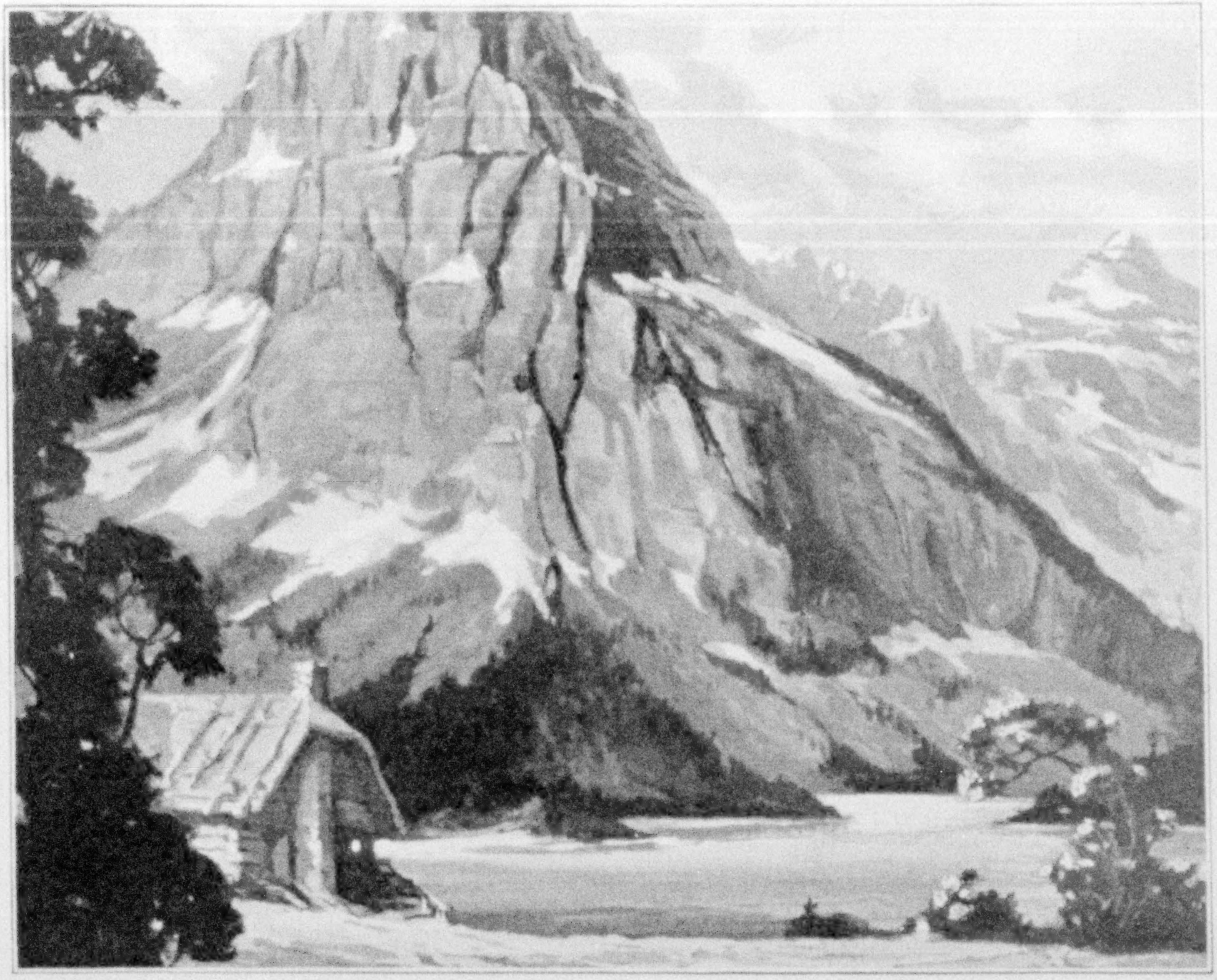

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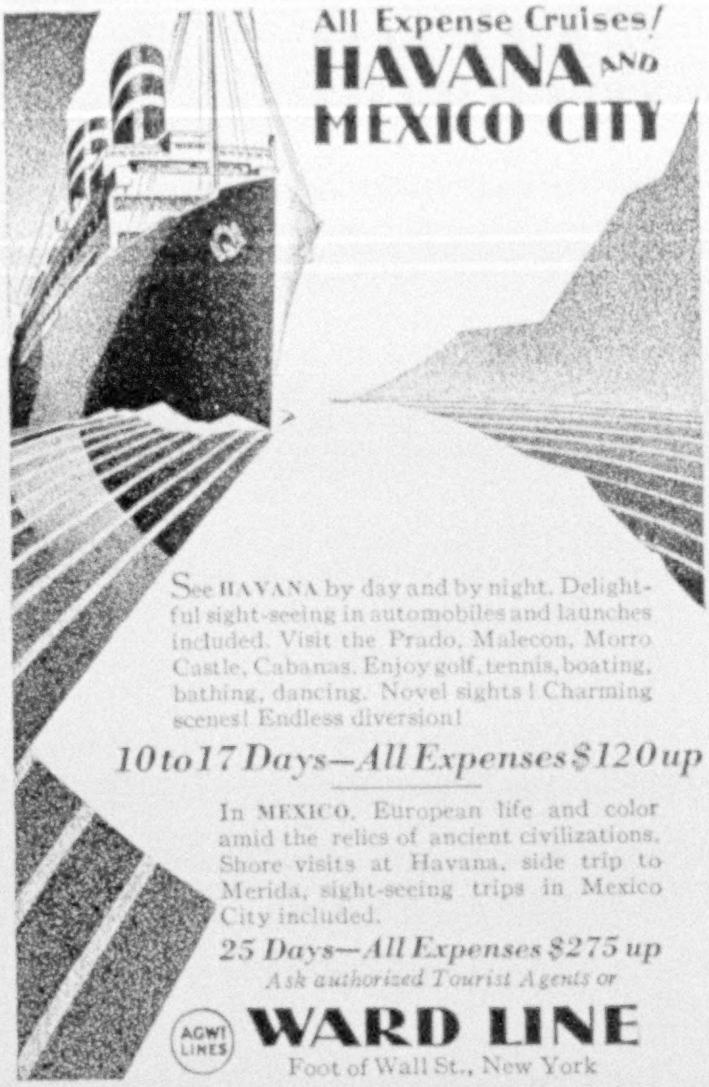

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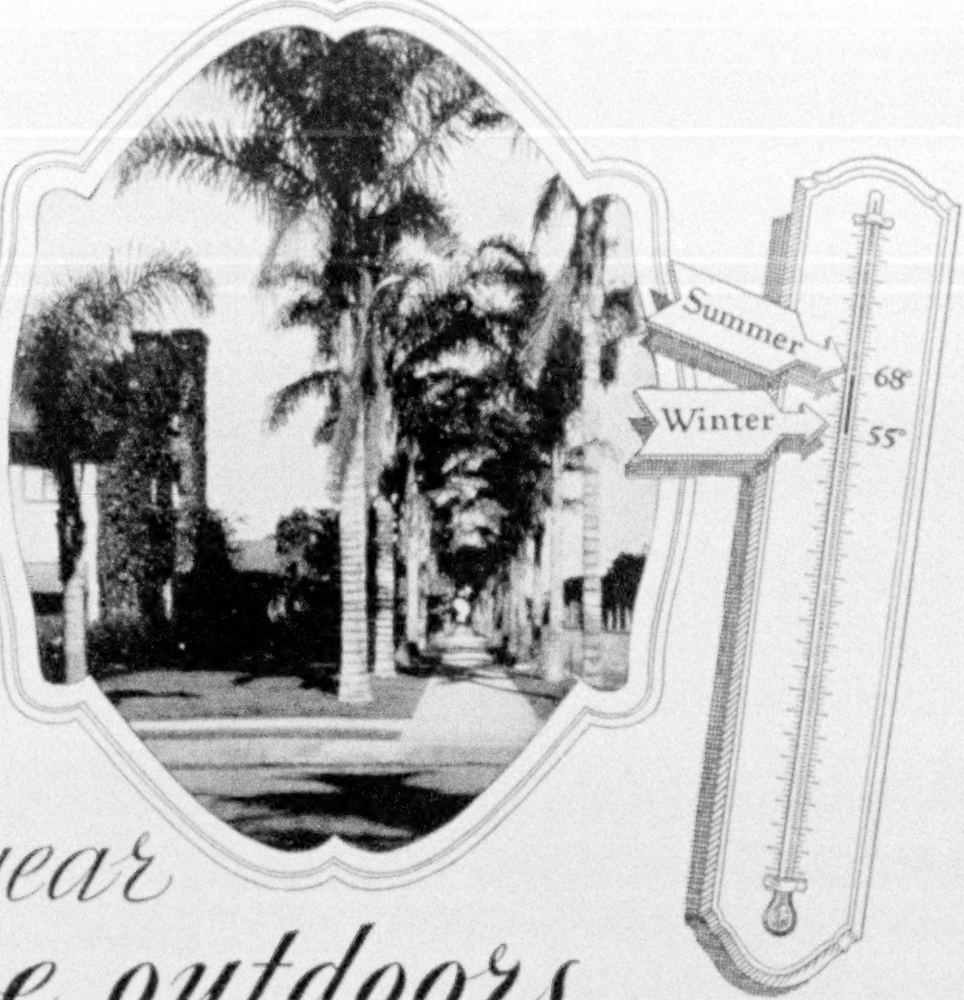

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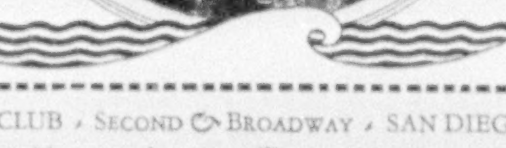

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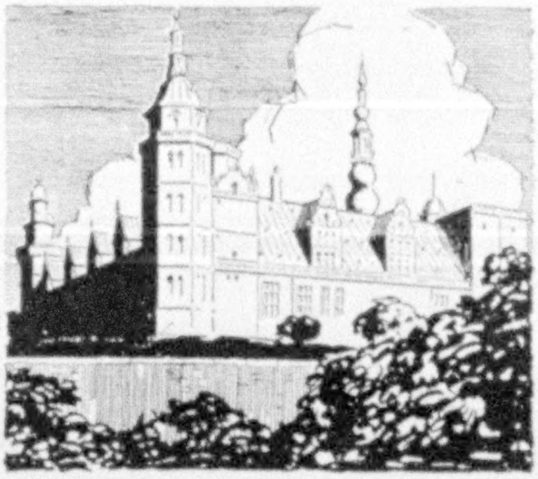

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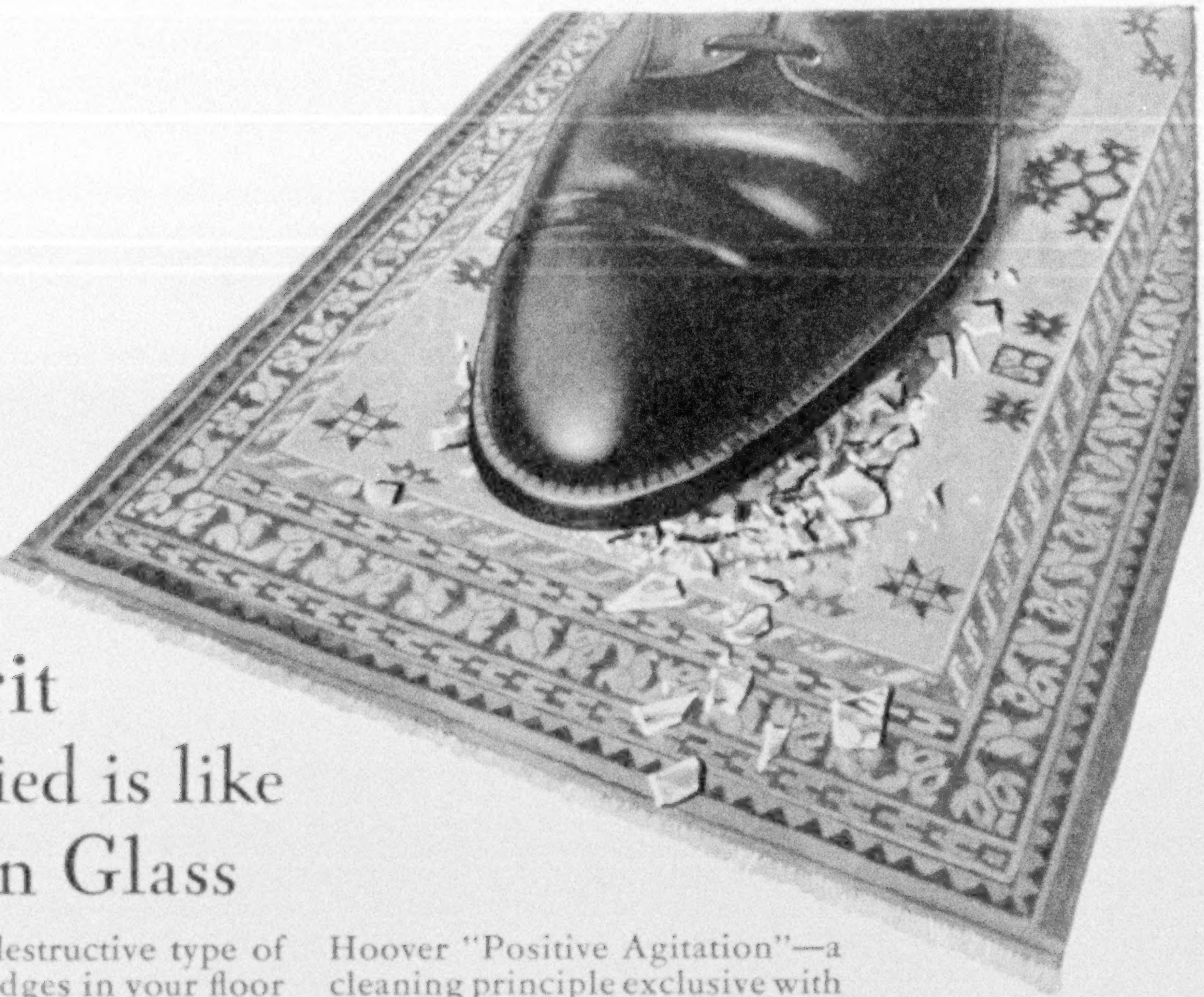

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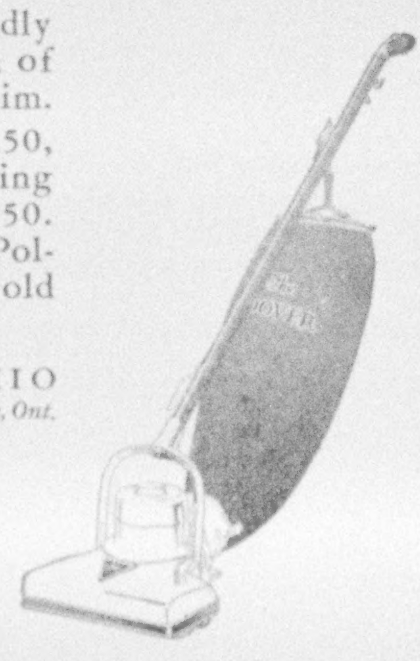

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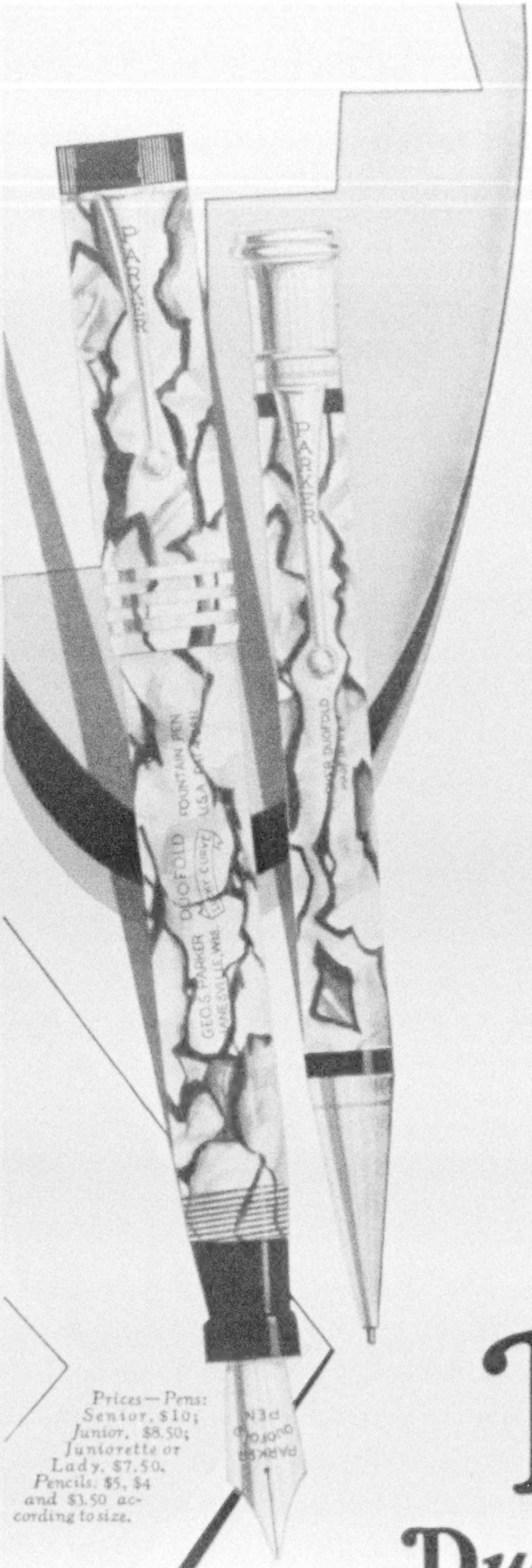

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